

14. Candidates will write on one side of the paper only, and number their questions as they are numbered in the Examination Papers.

15. No Candidate will be admitted to the Examination Hall later than 30 minutes after the beginning of any examination, or allowed to leave within 30 minutes after the distribution of the Papers.

16. No explanation concerning Examination questions will be given to the Candidates by the Examiner.

17. Candidates must return to the Examiner all the paper supplied them, and without any of the sheets detached.

18. Any Candidate found communicating with another in any way, or on any pretext whatever, or bringing books or papers into the Hall, shall forfeit his Examination.

Scholarships.

19. The Senate shall award all Scholarships in the Arts and Theological Faculties, by examination, subject only to the conditions of the founders.

20. The subjects of Examination and all special conditions of award shall be published annually in the Calendar, and shall be strictly adhered to.

21. The minimum qualification for holding a Scholarship shall be the obtaining of two-thirds of the whole number of marks allotted to the subject or subjects upon which the Scholarship is awarded.

22. No Student shall hold two Scholarships.

23. When a Student gains several Scholarships of unequal amounts he shall hold the one he chooses, and the rest shall be awarded to the other competitors in the order of merit.

24. Mention shall be made in the Calendar of the honour of gaining more Scholarships than one.

Library.

25. For each dollar deposited, to the number of three, a Student will receive a check, each entitling him to borrow one volume from the Library. The deposit will be returned at any time when desired by the Student, upon his giving up the checks and returning all books borrowed.

26. Students are not entitled to borrow or consult books until they have registered and shown their registration tickets to the Librarian.

27. Applications for books are to be made by means of printed tickets furnished for the purpose. The name of each volume applied for must be entered on a separate ticket.

28. Students are not allowed to have more than THREE volumes out of the Library at the same time. (See 25).

29. A borrowed book is not to be retained for more than SEVEN days. For every volume retained beyond the time allowed the borrower shall be fined THREE cents a day until the volume is returned or the amount of the fine reaches the price of the book.

30. When returning a book the borrower is required to see that the ticket is cancelled by the Librarian, as the borrower will be held responsible for the book so long as the ticket remains uncanceled.

31. Borrowers are responsible for any damage done books during the time they have them out of the Library.

32. Students are not allowed access to the alcoves of the Library.

33. Dictionaries and Encyclopedias may be obtained for consultation in the Library or Reading Room, but are not to be taken from the building.

34. Students are required to keep account themselves (by slips provided for the purpose) of the time when a book is to be returned, as fines will count from such date without any notice from the Librarian.

35. Books may be obtained for consultation in the Library only at hours when the Library is open.

CALENDAR

OF

Queen's College and University,

KINGSTON, CANADA,

FOR THE YEAR 1889-90.

PART I.



INCORPORATED BY ROYAL CHARTER, A.D. 1841.

KINGSTON :

PRINTED FOR THE UNIVERSITY BY WM. BAILIE.

1889.

L'E 3. Q3 A1

1885/90

99148

TIME TABLE.

<i>Hour.</i>	<i>Monday.</i>	<i>Tuesday.</i>	<i>Wednesd'y</i>	<i>Thursday.</i>	<i>Friday.</i>
9	Jr. Phil. Jr. Greek. Jr. French Sr. Hist. *Pol. Sci.	Sr. Phil. Jr. Greek. Jr. French. Jr. History *Pol. Sci.	Jr. Phil. Jr. Greek. Jr. French. Sr. Hist. *Pol. Sci.	Sr. Phil. Jr. Greek. Jr. French. Jr. Hist. *Pol. Sci.	Jr. Phil. J. Greek. Jr. Fr. Sr. Hist. *Pol. Sc.
10	Jr. Phys. Jr. Latin. Jr. Science *Math. II. *Hist. *Classics.	Sr. Phys. Jr. Latin. Sr. Math. *Science. *Classics.	Jr. Phys. Jr. Latin. Jr. Science *Math. II. *History. *Classics.	Sr. Phys. Jr. Latin. Sr. Math. *Science. *Classics.	Jr. Phys. Jr. Latin. Jr. Sci. *Math. II. *History. *Classics.
11	Jr. Chem. Jr. Eng. Sr. Latin. *Math. I. *Science.	Sr. Chem. Jr. Eng. Sr. Latin. *Math. I. *Science.	Jr. Chem. Jr. Eng. Sr. Latin. *Science.	Sr. Chem. Jr. Eng. Sr. Latin. *Math. I. *Science.	Jr. Chem. Jr. Eng. Sr. Latin. *Math. I. *Science.
12	S. Greek. Jr. Pol. Sc. Sr. French. *Phil. *Classics. *Physics I.	Sr. Greek. Sr. Pol. Sc. Sr. French. *Phil. *Classics. *Physics I.	Sr. Greek. Jr. Pol. Sc. Sr. French. *Phil. *Classics. *Physics I.	Sr. Greek. Sr. Pol. Sc. Sr. French. *Phil. *Classics. *Phys. I.	Sr. Greek Jr. Pol. Sc. Sr. Fr. *Phil. *Classics. *Phys. II. *Astro'y.
2	Sr. Eng. *German. *Physics II	Sr. Science *French. *English.	Sr. Eng. *German. *Phys. III.	Sr. Science. *French. *English.	Sr. Eng. *German. *Phys. III
3	Jr. Math. Sr. Germ. *Chem.	*Math. III. Sr. Germ.	Jr. Math. Sr. Germ. *Chem.	*Math. III. Sr. Germ.	Jr. Math. Sr. Germ. *Chem.
4	Jr. Germ. Jr. Hebrew	Jr. Germ. Jr. Hebrew	Jr. Germ. Jr. Hebrew	Jr. Germ. Jr. Hebrew	Jr. Germ. Jr. Heb.

*Denotes Honours.

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The Council consists of the Chancellor, the Trustees, the Members of the Senate, and thirty-six elective members.

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Convocation for the conferring of degrees, etc., is held upon the last Wednesday of April in each year.

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Published in twelve numbers, during the Session, by the Alma
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Friends of the late PRINCIPAL LEITCH—Memorial Scholarships.....	2433 33
The late REV. ALEXANDER BUCHAN, Stirling—Scholarship.....	3000 00
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R. ANDERSON, Montreal—	Scholarships.	100 00
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Breden, (John).....	Kingston.
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Bronson, (H. F.) †.....	Ottawa.
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* Deceased.

† Nomination reserved.

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Fenwick, (G. S.).....	Kingston.
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Friend.....	Montreal.
Friend.....	Montreal.
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Grant, (Sir J. A., M.D.).....	Ottawa.
Greenshields, (D. J.) *.....	Montreal.
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Henderson, (P. R.).....	Kingston.
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* Deceased.

† Nomination reserved.

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Mackerras, (Prof.) *	Kingston.
MacLennan, (James) 6.....	Toronto.
MacLennan, (D. B.).....	Cornwall.
MacLennan, (D. M.).....	Lancaster.
Macnee, (James) 2 *	Kingston.
MacLennan, (James).....	Toronto.
Macpherson, (Sir D. L.) 2.....	Toronto.
Macpherson, (Allan) *	Kingston.
McBean, (A. G.).....	Montreal.
McCulloch, (H.).....	Galt.
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McLennan, (John).....	Lancaster.
McPherson, (Sir D. L.).....	Toronto.
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Nickle, (W.).....	Kingston.
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Perth, (A friend) †.....	Perth.
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Rathbun, (Messrs.).....	Deseronto.
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Shultz, (Dr.) 3.....	Winnipeg.
Sheddon, (John) *	Toronto.
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Smith, (John) *	Montreal.
Smith, (Rev. T. G., D.D.).....	Kingston.
Snodgrass, (Principal) 2.....	Kingston.
Spreull, (The Misses) 2.....	Toronto.
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Stewart, (Mrs. W.).....	Ottawa.
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Urquhart, (Alex.).....	Montreal.
Williamson, (Prof.) 3.....	Kingston.
William Dow , 2 †.....	Montreal.

*Deceased. †Nomination reserved. ‡Memorial Scholarships.

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Gault, (A. F.)	Montreal.
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Henderson, (P. R.)	Kingston.
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JANUARY 1ST, 1888, TO JANUARY 1ST, 1889.

- United States Government—22 vols., and Maps, &c.
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- New Zealand Government—10 vols.
- New South Wales Government—2 vols., and many Blue Books, &c.
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 Dr. Robson Roose—2 vols.
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 J. C. Ayer & Co.—1 vol.
 Many Universities and Colleges, &c., Calendars, &c.
 Several persons—Pamphlets, &c.

Since this list was closed, a large donation of books, &c., has been received from the Government of New South Wales.

THE MUSEUM.

Upwards of 800 sheets of mounted plants have been added to the Herbarium, greatly increasing its value.

A collection of the Plants of Ontario, came in at Christmas, from Thomas L. Walker, the winner of the Gowan Prize, in accordance with the conditions on which the prize is offered.

The following donations have been received :—

Mrs. Grant—Corals, &c.

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Every person desirous of bequeathing to the University real estate or personal property, or any manuscripts, books, maps, plans, drawings, instruments; geological, botanical or other specimens, scientific apparatus, works of art or manufacture, is requested to make use of the following form in his will :

“I give and bequeath to the Trustees of Queen’s College at Kingston, Ont. (*here enumerate and particularize the effects and property intended to be bequeathed*), to be applied by them, in their capacity as Trustees, to the funds of the College (or to the improvement of the Library or Museum, or to the endowment of a Professorship, or to the foundation of a Scholarship or Prize), and I hereby declare that the receipt of the Treasurer of the said College for the time being, shall be an effectual discharge to my executors for the said legacy.”

ACADEMIC YEAR.

1889.

June 1—Candidates for Matriculation required to intimate in writing to the Registrar their intention of appearing for examination, and the High School at which they will appear.

The Matriculation examination in Arts will be held at the High Schools in connection with the Departmental Examinations.

Sept. 10—Notice of intention to appear at Supplementary Matriculation or Pass examinations to be given in writing to the Registrar.

“ 19—Supplementary examinations in Arts begin. (Held in Kingston only).

Oct. 1—Classes in Arts open.

“ 5—Examination for Mowat Scholarship.

“ 16—University Day—Registration, &c.—Holiday.

Nov. 1—Matriculation examinations in Theology and Medicine begin.

“ 5—Classes in Theology open,

Dec. 23—Christmas Holidays begin.

1890.

Jan. 7—Classes re-open.

“ 11—Statutory Meeting of Senate.

Feb. 19—Holiday.

“ 21—Time for receiving Essays for University Prizes, for Thorburn Prize, and for Gold Medal in History expires.

March 1—Time for receiving Theses for M.D. expires.

“ 4—Holiday.

“ 29—Time for receiving Theses for M.A. and D.Sc. expires.

April 11—Class-work in Arts closes.

“ 14—Pass and Honour examinations in Arts begin.

“ 18—Class-work in Theology closes.

“ 21—Pass examinations in Theology begin.


“ 28—Statutory Meeting of Senate for conferring Degrees, &c.

“ 30—Convocation for distributing Prizes, announcing Honours and laureating Graduates.

GENERAL ANNOUNCEMENTS.

QUEEN'S COLLEGE has, under its Royal Charter, "the style and privileges of a University."

The Forty-Ninth Session will open on Tuesday, the first of October, 1889.

 A compilation of statutes and by-laws containing information for students is published separately. Copies are to be obtained from the Registrar.

BOARDING.—No student is allowed to board or lodge in any house not approved of by the Senate, except by permission of parents or guardians given in writing. Information as to approved houses may be obtained from the Registrar.

REGISTRATION.—All students are required to have their names with other particulars, entered in the University Register. At the time of Registration they must produce the Treasurer's receipt for fees. They must also present a certificate of character from their clergyman or other competent person and sign a declaration, promising due obedience to the University authorities.

ATTENDANCE AT CHURCH.—All students must attend the churches to which they profess to belong, and produce certificates of attendance from their clergymen when required.

THE LIBRARY contains about 16,000 volumes. Students are entitled to the use of it, subject to by-laws.

THE OBSERVATORY.—In 1855 an Astronomical Observatory was founded by subscribers, aided by the City Corporation, and was transferred by deed to the University in 1861. Facilities are given to students for obtaining a knowledge of Practical Astronomy.

THE MUSEUM.—Demonstrations are given to students of Natural Science. Friendly services towards the enlargement of the Museum are solicited.

ACADEMIC COSTUME.—All graduates and undergraduates, when attending class or any college meeting, shall wear the costume prescribed by the University.

Each degree has its distinctive hood, as follows:—
 B.A., black, bordered with red silk; M.A., scarlet; D.Sc., black, lined with blue, bordered with white; M.D., scarlet, bound on the edge with white; B.D., white, with crimson plush border; D.D., black, with white lining; LL.B., black, bordered with white fur; LL.D., black silk, lined with blue silk.

FEES.—Graduation Fees must be paid before Convocation Day; examination fees before April, 11th; all other fees on or before University Day, Oct. 16th.

(Nominations cover only class fees.)

The Classes of Chemistry and Physics, each per Session...	\$12 00
Analytical Chemistry.....	6 00
Chemicals.....	3 00
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Instruction in the Chemical Laboratory—	
For a session of 6 months.....	20 00
“ “ 3 “.....	12 00
Instruction in the Physical Laboratory, per session.....	10 00
Instruction in Natural Science Laboratory.....	6 00
Any other class, per session.....	6 00
Registration, &c., per session.....	7 00
“ for extra-mural students.....	10 00
Matriculation Examination.....	5 00

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Pass Examination, per session.....	2 00
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“ “ Doctor of Philosophy (Ph.D.)	50 00
“ “ Bachelor of Arts (B.A.).....	10 00
“ “ Bachelor of Laws (LL.B.).....	10 00
“ “ Doctor of Medicine (M.D.).....	25 00
“ “ Master of Surgery.....	5 00
“ “ Master of Arts (M.A.).....	20 00
“ “ Bachelor of Divinity (B.D.).....	20 00
Admission <i>ad eundem gradum</i> , B.A.....	10 00

FACULTY OF ARTS.

ART. I. PASS MATRICULATION.

The classes in the University are open to all, but candidates for a degree must pass the Matriculation Examination on the following subjects, except as hereinafter provided in Art. III.

Subjects of Pass Matriculation.

LATIN.

Latin Grammar.

Translation of simple English sentences into Latin (involving a knowledge of Bradley's Arnold's Latin Composition. Ex. 1—40).

- | | | |
|-------|---|----------------------------|
| 1889. | { | Cicero, In Catilinam, I. |
| | { | Virgil, Æneid, V. |
| | { | Cæsar, B. G. I., 1—33. |
| | | |
| 1890. | { | Cicero, In Catilinam, II. |
| | { | Virgil, Æneid, V. |
| | { | Cæsar, Bellum Britannicum. |
-

GREEK.

Greek Grammar.

Translation of simple sentences into Greek.

- | | | |
|-------|---|-------------------------|
| 1889. | { | Xenophon, Anabasis, II. |
| | { | Homer, Iliad, IV. |
| | | |
| 1890. | { | Xenophon, Anabasis, II. |
| | { | Homer, Iliad, VI. |

MATHEMATICS.

Arithmetic.

A general knowledge of the subject to the extraction of the square and cube roots, inclusive.

Algebra.

The subject, as developed in any modern work in Algebra, to the solution of the quadratic equation, inclusive.

Geometry.

Euclid, Books I., II., III., or the equivalent, with deductions.

ENGLISH.

Grammar.

Critical reading of the following poems:

1889—Scott, Lay of the Last Minstrel.

1890—Byron, Prisoner of Chillon and Childe Harold's Pilgrimage, from Stanza 73 of Canto II. to Stanza 51 of Canto III., inclusive.

Composition.

The subjects are taken from the following :

1889—Selections from Goldsmith's Essays: Citizen of the World, Preface and Nos. 13, 14, 23, 26, 30, 36, 37, 49, 50, 55, 60.

1890—Selections from Addison's Essays. Selection: Nos. 21, 23, 26, 47, 50, 69, 93, 115, 159, 162, 169, 195, 225, 381, 387, 458, 483, 574, 583, 598.

MODERNS (FRENCH AND GERMAN).

Note.—Moderns are optional with Greek.

French.

Grammar.

Translation from English into French.

1889—Lamartine, Christophe Colomb.

German.

Grammar and Composition.

1889—Hauff, *Das Kalte Herz*) from *Wirtshaus im Spessart*.
(Pitt Press Series).

Schiller, *Der Gang nach dem Eisenhammer*.

HISTORY AND GEOGRAPHY.

Greek History from the Persian to the close of the Peloponnesian War.

Roman History from the commencement of the second Punic war to the death of Augustus.

English History, including Colonial History, from William III. to George III. inclusive.

Ancient Geography of Greece, Italy and Asia Minor,

Modern Geography of North America and Europe.

Physical Geography.

OPTIONAL SUBJECTS.

In addition to the above, any one of the following subjects may be offered, and the marks obtained will be taken into account in determining the standing of candidates and in awarding scholarships :

Physics.

The subject as contained in Balfour Stewart's *Primer of Physics*.

Chemistry.

The subject as contained in Knight's *Chemistry for High Schools*.

Botany.

The subject as contained in Gray's *How Plants Grow*.

ART. II. HONOUR MATRICULATION.

Candidates who intend to pursue an Honour Course in the University are recommended to take the Honour Matriculation in Latin, Greek or Moderns, and Mathematics.

Students who take Honours at Matriculation in Classics or Mathematics are not required to pass the Junior classes in these subjects in the University.

LATIN.

Latin Grammar and Composition.

Translation from authors not specified.

1889. { Horace, Odes, III.
 { Livy, B. XXIII.
1890. { Horace, Odes, I.
 { Livy, B. XXIII.

 GREEK.

Greek Grammar and Composition.

Translation from authors not specified.

1889. { Demosthenes, Philippics, I., II.
 { Homer, Odyssey, B. VI.
1890. { Demosthenes, Philippics, I., II.
 { Homer, Odyssey, B. VII.

 MATHEMATICS.

A more thorough knowledge of the Pass work, and in addition:

Algebra.

To the Progressions, Combinations and Binomial theorem, inclusive.

Geometry.

Euclid, Books IV. and VI., with deductions. Dupuis' Synthetic Geometry, Parts I., II. and III., will be accepted in lieu of the first six books of Euclid.

Trigonometry.

Definitions and relations of the Trigonometric functions, and the application of these functions to plane triangles and other plane rectilinear figures.

 ENGLISH.

Critical reading of one of Shakespeare's plays:

1889—As You Like It.

1890—Coriolanus.

MODERNS (FRENCH AND GERMAN).

French.

Translation from English into French.

Translation from authors not specified.

1889—Scribe, *Le Verre d'Eau*.

German.

Translation from English into German.

Translation from authors not specified.

1889—Schiller, *Belagerung von Antwerpen*.

Schiller, *Hero und Leander*.

Schiller, *Die Kraniche des Ibycus*.

HISTORY AND GEOGRAPHY.

English History under the Houses of Tudor and Stuart.

Geography of the British Empire, including the Colonies.

ART. III. PROVISOS AFFECTING MATRICULATION.

(1). Candidates may present themselves for examination in the work of the Junior classes in the subjects of Latin, Greek (or its equivalent in French and German), Mathematics, and English, without Matriculation and without attendance upon classes.

(2). Certificates of work done in other universities will be accepted *pro tanto*.

(3). Teachers' Certificates, which are of sufficiently recent date, will be accepted *pro tanto*, according to the following scheme:

(a) Second class certificates will be accepted for Matriculation in Mathematics, English, and History and Geography.

(b) Class I, Grade C will be accepted:

In Mathematics, for Junior Mathematics.

In Physics, for Junior Physics.

In English, for Junior English.

In History and Geography, for Matriculation.

In Latin, Greek, French and German, for the Junior class in the subject or subjects professed.

(c) Class I, Grade *A* or *B* will be accepted.

I. MATHEMATICAL SIDE.

In Mathematics, for Junior and Senior Mathematics, and first Honour Mathematics, except in the subject of Modern Geometry.

In Physics, for Junior and Senior Physics, except that the candidate must pass an examination on Heat and Electricity.

In English, for Junior English.

In History and Geography, for Matriculation.

II. LITERATURE SIDE.

In Mathematics, for Junior and Senior Mathematics.

In Physics, for Junior and Senior Physics, except that the candidate must pass an examination on Heat, Electricity, and either Light or Sound.

In English, for Junior and Senior English.

In History and Geography, for Matriculation with Honour standing in these subjects.

In Latin, Greek, French, or German, for the Junior class in the subject or subjects professed.

ART. IV. COURSE LEADING TO THE DEGREE OF B.A.

The course for students, after Matriculation, extends over four sessions. But students who pass three of the classes named in Proviso (1) of Art. III. before attending College may complete their course in three years.

Candidates for the degree of B.A. may take either of the following courses :—

COURSE I.

Junior and Senior Latin, Junior and Senior Greek or Moderns, Junior and Senior English, Junior and Senior Philosophy, Junior and Senior Mathematics, Junior and Senior Physics, together with any two of the following:

(1) Junior and Senior History, (2) Junior and Senior Political Science, (3) Junior and Senior French,† (4) Junior and Senior German,† (5) Junior and Senior Chemistry, (6) Junior and Senior Natural Science, (7) Hebrew, first year Honours (8) in Latin, (9) Greek, (10) Philosophy, (11) English, (12) Mathematics, or (13) Physics.

COURSE II.

Junior Latin, Junior Greek or Moderns, Junior and Senior English, Junior and Senior Philosophy, Junior and Senior Mathematics, Junior and Senior Physics, together with any four of the following:

(1) Senior Latin, (2) Senior Greek or Moderns, (3) Junior and Senior History, (4) Junior and Senior Chemistry, (5) Junior and Senior Natural Science, (6) Hebrew, first year Honours in (7) Mathematics, (8) Physics, (9) Latin, (10) Greek, (11) English, or (12) Philosophy.

No student is allowed to take a Senior class before passing the Junior in the same subject.

The classes of the B.A. course may be taken in any consistent order, but students are recommended to take the classes in Classics and Mathematics in the first two years of their course.

**ART. V. COURSE OF STUDY LEADING TO THE
DEGREE OF M.A.**

Students who intend to qualify for High School Teachers are recommended to take a course leading to the degree of M.A.

The degree of M.A. is conferred upon students who take Honours in one of the following courses:—

†Only for those who have not yet taken them.

Course 1—Latin and Greek.

“ 2—Latin and Moderns.

“ 3—English and Moderns.

“ 4—English and History.

“ 5—History and Moderns.

“ 6—English and Political Science.

“ 7—History and Political Science.

“ 8—Mental and Moral Philosophy.

“ 9—Pure Mathematics, Physics and Prac. Astronomy.

“ 10—Mathematics, Physics and Descriptive Astronomy.

“ 11—Chemistry and Experimental Physics.

“ 12—Chemistry and either Botany, Zoology or Geology.

“ 13—General Biology (including Botany and Zoology)
and Geology.

Course 9 comprises—all the Mathematics of the Honour course, together with 1st Honour Physics and Practical Astronomy.

Course 10 comprises—1st and 2nd Mathematics, 1st and 2nd Honour Physics, and General Astronomy.

Course 11 comprises—Honour Chemistry and work in Physical Laboratory.

In addition to his Honour course, a candidate must take the following classes of the B.A. course:—

With Course 1, 2, 3 or 8,

Junior and Senior Latin, Junior and Senior Greek or Moderns,
Junior and Senior English, Junior and Senior Philosophy,
Junior Mathematics.

With Course 4,

Junior and Senior Latin, Junior and Senior Greek or Moderns,
Junior and Senior English, Junior and Senior History, Junior
and Senior Philosophy, Junior Mathematics.

With Course 5,

Junior and Senior Latin, Junior and Senior Moderns, Junior
and Senior English, Junior and Senior History, Junior and
Senior Philosophy, Junior Mathematics.

With Course 6,

Junior and Senior Latin, Junior Greek or Moderns, Junior and Senior English, Junior and Senior History, Junior and Senior Political Science, Junior and Senior Philosophy, Junior Mathematics.

With Course 7,

Junior and Senior Latin, Junior Greek or Moderns, Junior and Senior History, Junior and Senior Political Science, Junior and Senior English, Junior and Senior Philosophy, Junior Mathematics.

With Courses 9 and 10,

Junior Latin, Junior Greek or Moderns, Junior and Senior English, Junior Philosophy.

With Courses 11 and 12.

Junior Latin, Junior Greek or Moderns, Junior and Senior English, Junior and Senior Philosophy, Junior and Senior Mathematics, Junior and Senior Physics.

With Course 13,

Junior Latin, Junior Greek or Moderns, Junior and Senior English, Junior and Senior Philosophy, Junior and Senior Mathematics, Junior and Senior Physics, Junior Chemistry.

ART. VI. EXAMINATIONS.

1. Matriculation Examinations are held annually in July and September (see p. 26).

2. Honours and Scholarships at Matriculation will be awarded on the combined results of the Pass and Honour Examinations in July ; but no candidate is eligible for a Scholarship unless he passes the examination in English.

3. Examinations upon the work of the Pass course are held annually in April and September, but on the work of the Honour courses, in April only.

ART. VII. EXTRA-MURAL STUDENTS.

1. The Senate may for special reasons allow Extra-mural Students to come up for examination upon the work of the Pass or Honour courses without attendance upon classes.

2. Such students must register before University-day (Oct. 16th), and obtain from the Registrar Class tickets in the subjects upon which they propose to be examined in the following April or September. These tickets must be forwarded at once to the Professors of the respective classes.

3. The Senate may hold an Examination in any locality on application from not less than five candidates who have complied with the above regulations.

4. Extra-mural students must write the essays and exercises prescribed. (See "Subjects of study for extra-mural students,") and send them to the Professor of the subject at the dates specified.

5. Classes will be held in the University in July and August, in any subject in which at least ten candidates present themselves. The fee for each class will be \$10. Candidates must send in their names and pay the fees to the Registrar before June 1st. The University will send a Lecturer, on any subject, in May and June to any centre in Ontario or Quebec where a sum of \$200 is guaranteed before April 15th.

**ART. VIII. DEGREES OF DOCTOR OF PHILOSOPHY (Ph.D.)
AND DOCTOR OF SCIENCE (D.Sc.)**

1. Candidates for these degrees must have previously taken the degree of M.A. in the subjects they propose to offer, or must satisfy the Senate of their ability to proceed with the course.

2. Neither of these degrees can be obtained in less than four years from the date of graduation as M.A.

3. Candidates must give notice in writing to the Senate of the course they intend to take, at least two years before they present themselves for examination.

4. All candidates must submit a thesis on some subject connected with their special course, embodying the results of original investigation.

I. DEGREE OF PH.D.

1. *Course for the Degree of Ph.D. in Classics.*

1. Candidates are expected to be able to translate the books they offer.

2. They are required to offer a period of Greek History: either (a) Greek History to the close of the Peloponnesian war, or (b) from B. C. 500 to the death of Philip.

With the first period the following books are recommended: Herodotus, Thucydides, Xenophon's Hellenics, I. and II.

With the second period: Herodotus, V-IX, Thucydides, Xenophon's Hellenics, Demosthenes' Olynthiacs, Philippics, De Falsa Legatione, De Corona.

3. Candidates are also required to offer a period of Roman history: either (a) from the beginning of the First Punic War to the battle of Actium, or (b) from the end of the Third Punic War to the death of Vespasian.

With the first period the following books are recommended: Polybius, I., II., III., IV., Plutarch's Lives of the Gracchi, Cicero's Letters (Watson's Selections), Sallust's Catiline and Jugurtha.

With the second period : Plutarch's Lives of the Gracchi, Cicero's Letters (Watson's Selection), Salust's Catiline and Jugurtha, Tacitus' Annals, I-VI.

4. Candidates will also be required to offer Plato's Republic, Aristotle's Nicomachean Ethics and Politics. They will be examined on the substance of the books offered, and are expected to show acquaintance with the best modern critics of Plato and Aristotle.

2. *Course for the Degree of Ph.D. in English and Modern Literature.*

(a.) ENGLISH LANGUAGE AND LITERATURE.

1. Candidates are expected to show a general knowledge of the following subjects :—

The history of English Literature from 449 A.D.

The growth of the English language.

The development of English metres.

Anglo-Saxon Grammar and Language.

2. Candidates are also required to offer a special period or periods—I and II, or II and III, or III and IV, or V—according to the scheme given below :

I. From 449 to 1280 A.D.

II. From 1200 to 1580 A.D.

III. From 1550 to 1700 A.D.

IV. From 1700 to 1800 A.D.

V. From 1800 to present time.

PERIOD I. (449 to 1280.)

Besides general papers on the literature of this period, special papers will be set on the following works :—

Beowulf.
 Battle of Maldon.
 Alfred's Writings.
 Ælfric's Homilies.
 The Elder and Later Genesis.
 Bede's Ecclesiastical History.
 The Anglo-Saxon Chronicle.

Candidates who choose this period are expected to show a competent knowledge of contemporary English History.

PERIOD II. (1200–1580.)

Special papers on the following works:—

Piers the Plowman.
 Chaucer's Canterbury Tales.
 Skeat's Specimens of English Literature from 1394 to 1579.
 Spenser's Works.
 Sir Thomas Malory's Morte D'Arthur, Bks. XVII to XXI.
 Percy's Reliques of Ancient English Poetry.

PERIOD III. (1550–1700.)

Special papers on the following works:—

Marlowe—Dr. Faustus, Jew of Malta.
 Shakespeare—Richard II, Henry IV, Henry V, Julius Cæsar, Antony and Cleopatra, Coriolanus, Lear.
 Ben Jonson—Every man in his Humour, The Alchemist, Sejanus.
 Webster—Appius and Virginia, Vittoria Corombona.
 Massinger—The Duke of Milan, A New Way to Pay Old Debts.
 Bacon's Essays, Advancement of Learning.
 Milton's Paradise Lost, Comus and Lycidas.
 Dryden's Annus Mirabilis, Absalom and Achitophel.

PERIOD IV. (1700–1800.)

Special papers on the following works :—

Pope's Rape of the Lock, Satires and Epistles.
 Addison's Papers in the Spectator (T. Arnold's Selection).
 Johnson's Lives of the Poets (M. Arnold's Selection).
 Burke's Speech on Fox's East India Bill, on the Nabob of Arcot's Debts, Reflections on the French Revolution.
 Goldsmith's Poetical Works.
 Richardson's Clarissa Harlowe.

Fielding's *Amelia*,
 Chesterfield's *Letters to his Son*.
 Boswell's *Life of Johnson*.

PERIOD V.

1. A critical knowledge of the works of the following authors :—

Wordsworth, Coleridge, Shelley, Keats, Tennyson.
 Carlyle (*French Revolution*, *Oliver Cromwell*, *Reminiscences*).
 Emerson (*Essays and Orations* ; *Representative Men*.)
 Scott, Thackeray, Hawthorne,
 Browning (*Dramas*, *Men and Women*, *Dramatic Romances*,
The Ring and the Book).
 M. Arnold (*Essays in Criticism*, 1st and 2nd Series, *On*
Translating Homer, *Culture and Anarchy*).

2. A special knowledge of the following subjects :—

The development of historical writing in the 19th century.
 The development of literary criticism in the 19th century.

(b.) *Modern Languages.*

I. GERMAN.

1. Gothic :

Ulfilas (*Braune's Extracts*).
Gothic Grammar (Braune).

Old High German :

Althochdeutsches Lesebuch (Braune).
Grammar (Braune).

Middle High German :

Gudrun; *Der arme Heinrich*; *Titarel*; *Walter von der Vogelweide*.
Grammar (Paul's *mittelhochdeutsche Grammatik*).
History of the German Language (*Grammars of Paul and Braune*).
History of German Literature to the Reformation
 (Scherer's *Geschichte der deutschen Litteratur*).

2. Eighteenth century :

Lessing, Dramen, Laokoon.
 Herder, Der Cid.
 Wieland, Oberon, Abderiten.
 Goethe, Dramatische Werke, Wilhelm Meister,
 Italienische Reise.
 Schiller, Balladen, Dramatische Werke.
 Bürger, Balladen.
 Heinrich von Kleist, Dramen, Michael Kohlhaas.
 Jean Paul Richter, Siebenkäs, Titan.
 Tieck, Phantasmus.
 History of the Literature (Scherer).

3. Nineteenth Century :

Heinrich Heine, Gedichte, Reisebilder.
 Uhland, Balladen.
 Körner, Leier und Schwert, Dramen.
 Hauff, Lichtenstein.
 Karl Gutzkow, Die Ritter von Geist.
 Auerbach, Auf der Höhe, Die Frau Professorin.
 Scheffel, Ekkehard, Der Trompeter von Säckingen.
 Gustav Freytag, Die verlorene Handschrift,
 Die Ahnen.
 Paul Heyse, Novellen.
 Georg Ebers, Homo Sum, Die Nilbraut.
 Felix Dahn, Kampf um Rom.

Books recommended :

Koberstein, Grundriss der deutschen Nationallitteratur.
 Hettner, Geschichte der deutschen Litteratur im 18ten
 Jahrhundert.
 Julian Schmidt, Geschichte der deutschen National-
 litteratur im 19ten Jahrhundert.
 Lessing, Hamburgische Dramaturgie.
 Paul, Grundriss der germanischen Philologie.

II. FRENCH.

1. From the origins to the beginning of the 15th century :

Bartsch's Chrestomathie de l'ancien français.
 History of the French language (Clédat, Grammaire
 élémentaire de la vieille langue française ; Brachet,
 Dictionnaire étymologique).

2. Age of Louis XIV :

P. Corneille, Théâtre.
 Boileau-Despréaux, Art poétique.
 Molière, Théâtre.
 J. Racine, Théâtre.
 Regnard, Le Légataire universel, Le Joueur, Le Retour imprévu.
 Madame de Sévigné, Lettres (selections).
 Pascal, Provinciales.
 La Rochefoucauld, Maximes.
 Descartes, Discours de la méthode.
 Balzac, Le Socrate chrétien.
 Bossuet, Oraisons funèbres.
 Fénelon, Télémaque.
 History of the Literature (Gérusez).

3. Eighteenth century :

Voltaire, Henriade, Zaïre, Alzire, Mahomet, Mérope, Candide.
 Le Sage, Gil Blas, Le Diable boiteux, Turcaret.
 Marivaux, Le Jeu de l'amour et du hasard, Les Fausses confidences.
 Sedaine, Le Philosophe sans le savoir, La Gageure imprévue.
 Beaumarchais, Le Barbier de Séville, Le Mariage de Figaro, La Mère coupable.
 Diderot, Neveu de Rameau.
 J. J. Rousseau, Émile, La Nouvelle Héloïse, Le Contrat social.
 Montesquieu, L'Esprit des lois, Lettres persanes.
 Bernardin de St. Pierre, Paul et Virginie.
 History of the Literature (Gérusez).

4. Nineteenth century :

Chateaubriand, Le Génie du Christianisme, Les Martyrs.
 Madame de Staël, Corinne, De l'Allemagne, Delphine.
 Lamartine, Les Confidences, Graziella, La Chute d'un ange.
 Victor Hugo, Orientales, Chants du crépuscule, La Légende des siècles, Les Misérables, Les Travailleurs de la mer, Quatre-vingt-treize, Théâtre.

Honoré de Balzac, *Séraphita*, *La Peau de chagrin*.
 Georges Sand, *Indiana*, *Elle et Lui*.
 Théophile Gautier, *Le Roman de la momie*, *Le Capitaine Fracasse*, *La Morte amoureuse*, *Émaux et camées*.
 Alfred de Musset, *Les Nuits*, *Rolla*, *Comédies et Proverbes*.
 Augier, *Théâtre*.
 Sandeau, *Théâtre*.
 Alphonse Daudet, *Lettres de mon moulin*, *le Nabab*, *Numa Roumestan*.
History of the Literature (Gérusez).

Books recommended :

Sainte-Beuve, *Causeries du Lundi*.
 Charpentier, *La Littérature française au XIXe siècle*.
 Vinet, *Histoire de la littérature française au XVIIIe siècle*.
 Voltaire, *Siècle de Louis XIV*.
 Aubertin, *Histoire de la lang. et de la litt. françaises au moyen âge*.

III. ITALIAN.

Grammar and composition.
 Silvio Pellico, *Le mie Prigioni*.
 Alfieri, *Mirra*, *Saul*.
 Manzoni, *I Promessi Sposi*.
 Leopardi, *Operette morali*.
 De Amicis, *L'Olanda*.
 Tasso, *La Gerusalemme Liberata*, I–XII.
 Ariosto, *Orlando Furioso*, I–V.
 Dante, *Inferno*.
History of the Literature (Ebert's Handbuch).

or

SPANISH.

Grammar and Composition.
 Knapp's *Spanish Reader*;
 Castelar, *La Hermana de la Caridad*.
 Caballero, *La Familia de Alvarada*.
 Cervantes, *Don Quixote*.
 Colección de poesías líricas (Carolina Michaelis).
El Poema del Cid.
History of the Literature (Ticknor).

IV. COMPARATIVE GRAMMAR OF THE ROMANCE LANGUAGES.

Books recommended :

Gustav Körting, Encyklopaedie u. Methodologie der romanischen Philologie, dritter Theil.

Dietz, Vergleichende Grammatik der romanischen Sprachen, Etymologisches Wörterbuch.

Gröber, Grundriss der romanischen Philologie.

Candidates may omit any two periods in German and any three in French. They will be expected to show an intimate knowledge, at first hand, of the periods and works professed, and a general knowledge of the history of the language and literature.

Two essays of considerable length will be required, one written in French and the other in German, on approved subjects connected with these languages or their literature. The essays must be the candidates' unaided compositions, give evidence of originality of treatment, be correct as to orthography and syntax, and show, at least, an ordinary mastery of style.

A short composition must, in addition, be written in presence of the examiner.

Candidates must also be able to converse fluently in French and German on any ordinary theme.

3. *Course for the Degree of Ph.D. in History and English Literature.*

(a.) HISTORY.

1. The History of England.

Continuous Constitutional History.

Continuous Political History.

A selected period to be studied in detail from the original authorities.

2. A period of general history to be studied in detail from original authorities.

3. The literature of the special periods selected.

The books on the constitutional history of England to be studied are :

Stubbs' Constitutional History, and Select Charters.

Hallam's Constitutional History.

May's Constitutional History.

Periods for detailed study :

English History.

449-1066.

1066-1272.

1272-1485.

1485-1603.

1603-1714.

1714-1880.

General History.

493-1095.

1095-1273.

1273-1530.

1530-1648.

1648-1788.

1778-1880.

Candidates are required to take the special periods most nearly corresponding with each other in English and general history, and in studying the selected periods they are expected to make themselves acquainted with their social and literary history.

The following books, classed under the respective periods, are recommended to students for their careful study, especially the original authorities. A knowledge of French and German is presumed.

449-1066.

Kemble's Saxons in England.
 Lappenberg's England under
 Anglo-Saxon Kings.
 Green's Making of England.
 Green's Conquest of England.
 Pearson's Early and Middle
 Ages in England.
 Innes' Scotland in the Middle
 Ages.
 Worsaae's Danes in England.
 Freeman's Norman Conquest,
 vols. 1 and 2.
 Palgrave's Normandy and Eng-
 land, vols. 1 and 2.

449-1095.

Gibbon's Decline and Fall of
 the Roman Empire.
 Milman's Latin Christianity,
 vols. 3 and 4.
 Finlay's History of Greece,
 vol. 3.
 Michelet's Hist. de la France,
 vol. 1.
 Sismondi's Republiques Itali-
 ennes.
 Giesebrecht, Geschichte der
 Deutsch Kaiserzeit, vols.
 1 and 2.
 Waitz, Verfassungsgeschichte,
 vol. 2.
 Roth's Feudalität und Unter-
 thanverband.
 Fustel de Coulanges' Hist. des
 Institutes Politiques de la
 France.
 Thierry's Hist. des Gaulois.

Original Authorities.

Anglo-Saxon Chronicle, edit.
 Thorpe.
 Ancient Laws and Institutes,
 edit. Thorpe.
 Lives of Edward the Confes-
 sor, edit. Luard.
 Memorials of St. Dunstan,
 edit. Stubbs.

Historiæ Gregorii Turonensis.
 Procopius De Bello Gothico.
 Fredegarii Chronicon.
 Eginhardi Vita Caroli Magni.
 Pauli Diaconi Historia Longo-
 bardorum.
 Wittichindi Annales.
 Luitprandi Historia.

1066-1272.

Freeman's Norman Conquest.
 Freeman's William Rufus.
 Stubbs' Early Plantagenets.
 Norgate's Angevin Kings.
 Lingard's History of England,
 vols. 3 and 4.
 Pauli's Geschichte von Eng-
 land.
 Robertson's Scotland under
 Early Kings.

1096-1272.

Gibbon's Rome, vol. 8.
 Finlay's History of Greece,
 vols. 3 and 4.
 Milman's Latin Christianity,
 vols. 3 and 4.
 Giesebrecht Geschichte der
 Deutschen Kaiserzeit.
 Von Raumer, Geschichte der
 Hohenstauffen.
 Gfrörer, Der Papst Gregorius.

Blaauw's Wars of the Barons.
Toulmin-Smith's English Guilds.
Ellis' Introduction to Domes-
day Book.

Michelet's Hist. de la France,
vols. 5 and 9.
Sismondi's Rep. Italiennes,
vols. 1-3.
Von Sybel's History and Lit.
of the Crusades.

Original Authorities.

Chronicon Matth. Parisii, edit.
Madden.
Hist. Rogeri de Hovedene, edit.
Stubbs.
Chronicon Riccardi I, edit.
Thorpe.
Gesta Henrici II. and Ricardi I,
edit. Thorpe.

1272-1485.

Longman's Life and Times of
Edward III.
Gairdner's Houses of Lancaster
and York.
Gairdner's Life and Reign of
Richard III.
Brougham's England under the
House of Lancaster.
Freeman's Essays, 1st series,
on the French wars of Ed-
ward III and Henry V.
Burton's History of Scotland,
vols. 4-6.
Fortescue's Gouvernance of
England.

Joinville's Vie de St. Louis.
Chronica Thietmar de Mers-
berg.
Chronicon Ekkehardi.
Wipo, Vita Conradi II.
Vita Henrici IV. Caes. Aug.

1272-1520.

Gibbon's Rome, vol. 8.
Milman's Latin Christianity,
vols. 5 and 6.
Sismondi's Rep. Italiennes,
vols. 4 and 5.
Gregorovius, Geschichte der
Stadt Rom., vols 5 and 6.
Von Reumont's Lorenzo de
Medici.
Villar's Life and Times of
Machiavelli.
Amari's War of the Sicilian
Vespers.
Prescott's Ferdinand and Isa-
bella.
Michelet's Hist. de la France,
vols. 9-14.

Original Authorities.

Paston Letters, edit. Gairdner.
Monumenta Franciscan, edit.
Plumner.
Letters of reign of Henry IV.,
edit. Hingeston.
Wars of the English in France
under Henry VI, edit. Shir-
ley.
Matthew Paris, Chronica Ma-
jora, vol. 5.

Vita Henrici VII., Caes Aug.
Vita Ludovici Bavariae.
Historia Frederici III.
Froissart's Chronicles.
Momstrellet's Chronicles.

1435-1603.

Froude's History of England.
 Bacon's History of Henry VII.
 Brewer's Life of Henry VIII.
 Burnet's History of the Reformation in England.
 Friedman's Anne Boleyn.
 Du Boy's Catherine of Aragon.

1530-1648.

Ranke's History of the Popes.
 Michelet's Histoire de la France, vols. 15-19.
 Prescott's Life of Charles V.
 Gindely's Thirty Years' War.
 Creighton's The Papacy during the Reformation.
 Motley's Rise of the Dutch Republic.
 Motley's History of the United Netherlands.
 Gregorovius, Geschichte der Stadt Rom, vols. 7 and 8.

Original Authorities,

State Papers of Henry VIII, edit. Brewer.
 Materials for the History of Henry VII, edit. Campbell.
 Petitot's Collection of Memoires,

1603-1714.

Ranke's History of England.
 Gardiner's History of England.
 Carlyle's Life of Cromwell.
 Clarendon's History of the Great Rebellion.
 Burnet's History of his own Times.
 Macaulay's History of England.
 Coxe's Life of Marlborough.
 Burton's History of Queen Anne's reign.
 Lecky's History of the XVIII Century.

1648-1788.

Ranke's Französische Geschichte.
 Ranke's History of the Popes.
 Stanhope's War of Spanish Succession.
 Finlay's Greece, vol. 6.
 Michelet's Hist. de la France, vols. 16-19.
 Voltaire's Siècle de Louis XII.
 Voltaire's Siècle de Louis XV.
 Carlyle's Frederick the Great.
 Ranke's House of Brandenburg.

Original Authorities.

Hardwick's State Papers.
 Pepys' Diary.
 Evelyn's Diary.
 State Papers of the period in the Roll Series.

Continuation of Petitot's collection of Memoires.

1714-1880.

Lecky's History of the XVIII Century.

1788-1880.

Sorel's Europe et la Revolution.

5. *Course for the Degree of Ph.D. in English Literature and Political Science.*

a. ENGLISH LITERATURE. For subjects see Course 2.

b. POLITICAL SCIENCE.

1. Politics :

Dante's *De Monarchia*.

Spinoza's *Tractatus Politicus*.

Rousseau's *Contrat Social*.

Bluntschli's *Theory of the Modern State*.

Pulszky's *Theory of Law and Civil Society*.

Waitz's *Grundzüge der Politik*.

2. Economics :

Ricardo's *Principles of Political Economy*.

Roscher's *Political Economy*.

Fawcett's *Political Economy*.

Cairnes' *Logical Method of Political Economy*.

Sidgwick's *Principles of Political Economy*.

Knies' *Die Politische Oekonomie vom Standpunkte der geschichtlichen Methode*.

Candidates are recommended to consult the works of such authors as the following :

In Politics—Bentham, Burke, Austin, Hegel, Montesquieu, Pollock, Freeman.

In Economics—Rogers, Walker, Jevons, Bagehot, Toynbee, Ashley, Schönberg, Kautz, Wagner.

3. All candidates must offer *one* of the following special subjects. They are expected to be familiar with the standard books on the subject offered. The names are given of a few authors whose books are recommended :

Origin and Development of Social and Political Institutions :

Maine, McLennan, Laveleye, Morgan, Coulanges.

Relations of Capital and Labour, Socialism, &c. :

Marx, Walker, Ely, Howell, Böhmert, Rae, Schäffle, Scheel.

Money, Banking, Stock Exchange:

Walker, Jevons, Bagehot, Gilbert, McLeod, Grump.

Taxation, Local Municipal Government:

Corsa, Sargant, Ely, Giffen, Traill, Vine, Jameson, Bourinot.

Colonies and Colonial Policy, Immigration and Emigration:

Arnold, Heeren, Merivale, Lewes, Cairnes, Seward.

Development of English Industrial and Economic Relations:

Seeböhm, Ashley, Levi, Rogers, Cunningham.

Land and Land Questions:

Pollock, Kinnear, Walker, Caird, Kay, Eggleston, George.

6. *Course for the Degree of Ph.D. in History and Political Science.*

(a.) HISTORY. For subjects see Course 3.

(b.) POLITICAL SCIENCE. For subjects see Course 5.

7. *Course for the Degree of Ph.D. in Mental and Moral Philosophy.*

(a.) PHILOSOPHICAL SYSTEMS.

Candidates may offer any one of the following:

1. The Philosophy of Aristotle, with special reference to the *De Anima*, *Nicomachean Ethics* and *Politics*. Ability to translate these books is presumed.

2. The Philosophy of Hegel, with special reference to the *Encyklopädie*, I and III, *Wissenschaft der Logik*, I and III, *Phänomenologie des Geistes*, pp. 1-168, and *Philosophie des Rechts*.

3. The Philosophy of Comte, as contained in the *Cours de Philosophie Positive* and *System of Positive Polity*.

4. The Philosophies of Schopenhauer, Hartmann and Lotze, with special reference to Schopenhauer's *World as Will and Idea*, Hartmann's *Philosophy of the Unconscious*, and Lotze's *Microcosmus* and *System of Philosophy*.

5. English Empirical Philosophy, as represented by James Mill's *Analysis of the Human Mind*, J. S. Mill's *Logic*, *Examination of Hamilton* and *Utilitarianism*, Bain's *Senses and Intellect*, *Emotions and Will*, Herbert Spencer's *First Principles*, *Psychology* and *Data of Ethics*.

Acquaintance with the best recent criticism is in all cases required.

(b.) PRINCIPLES OF PHILOSOPHY.

Candidates must profess one of the following branches of Philosophy :

1. The Principles of Logic. References : The logical treatises of Hegel, Mill, Jevons, Venn, Lotze, Bradley and Bosanquet.

2. The Principles of Psychology. References : The psychological works of James Mill, J. S. Mill, Bain, Wundt, Sully, Ladd and Lotze.

3. The Principles of Ethics. References : The ethical works of J. S. Mill, Bain, Sidgwick, Green, Bradley, Spencer, Stephen and Martineau.

4. The Principles of *Æsthetics*. References : The *æsthetic* treatises of Aristotle, Kant, Schiller, Lessing, Hegel, Lotze, Schasler and Ruskin.

5. The Principles of Political Science. References : See Honour work in Political Science for degree of M.A.

II. DEGREE OF D.Sc.

1. *Course for the Degree of D.Sc. in Pure and Applied Mathematics.*

1. The degree is open only to those who have taken the degree of M.A. in Course 9.

2. Candidates must show a sufficiently accurate and extensive knowledge of any one of the following groups of subjects:—

- (1) Projective Geometry and Analytical Plane and Solid Geometry.
- (2) Higher Algebra, Finite Differences, Differential Equations.
- (3) Elliptic Functions, Quaternions.
- (4) Dynamics, Lunar and Planetary Theories.
- (5) Theories of Electricity and Magnetism.
- (6) Theories of Heat and Sound.
- (7) Undulatory theory of Light, Practical and Spherical Astronomy.

The examinations will be upon the subjects as developed in the following works, and Candidates must profess a special knowledge of some one, with a general knowledge of the other works in the groups chosen.

- (1) Cremona's Projective Geometry, Poncelet's traité des propriétés Projective des figures, Salmon's Conics, Salmon's Higher plane curves, Salmon's Solid Geometry, Chasles' Géométrie Supérieure.
- (2) Salmon's Higher Algebra, Serret's Algèbre Supérieure, Boole's finite Differences, Forsyth's Differential Equations.
- (3) Cayley's Elliptic Functions, Halphen's Fonctions Elliptiques, Tait's Quaternions.
- (4) Routh's Rigid Dynamics, Besant's Hydromechanics, Thomson & Tait's Natural Philosophy, Godfray's Lunar Theory, Cheyne's Planetary Theory.

- (5) Clerk Maxwell's Electricity and Magnetism, Du Moncel's Applications d'Electricité.
- (6) Fourier's Theorie de la Chaleur, Rayleigh's Theory of Sound.
- (7) Airy's Undulatory Theory of Light, Brunnow's Spherical Astronomy, Watson's Theoretical Astronomy, Airy's Lunar Theory.

The foregoing list of books is subject to revision from time to time.

2. *Course for the Degree of D.Sc. in Chemistry, Botany, Zoology, and Geology.*

Candidates are required to have a thorough knowledge, practical and theoretical, of the subjects in one of the following subdivisions :

1. Inorganic Chemistry :

General Inorganic Chemistry, Chemical Physics, Crystallography, Metallurgy, Assaying, and Economic Minerals of Canada.

2. Organic Chemistry :

Compounds of Carbon, Chemistry of Plants and Animals, Chemical Physics.

3. Botany :

- (1) Special studies in Vegetable Histology and Physiology.
- (2) A practical acquaintance with the Cryptogamic Flora of Canada.
- (3) Biology and Chemistry of Ferments.

4. Zoology :

- (1) Animal Physiology and Embryology.
- (2) Osteology and Odontography of Vertebrata.
- (3) Special study of Invertebrata (Canadian).
- (4) Physiological Chemistry.

5. Geology:

- (1) Special study of Minerals of Canada, their chemical composition and economic value.
- (2) Crystallography.
- (3) Canadian Palæontology.
- (4) Methods of Geological investigation.
- (5) Petrology, Preparation of rock sections.

Detailed information to be obtained from the Professors.

DOCTOR OF LAWS (LL.D).

This degree is honorary, and is awarded for literary, scientific or professional distinction.

SUBJECTS OF STUDY.

LATIN.

JUNIOR CLASS.

Before joining this class, students must pass the Matriculation examination, or satisfy the Instructor that they are able to proceed with the work of the class.

Latin Grammar and Composition.
Translation from authors not specified.*
Livy, B. XXI.
Horace, Odes, B. I.

SENIOR CLASS.

Cicero, Pro Ligario.
Philippic I,
Philippic XIV.
(From Harper's *Select Orations of Cicero*).
Virgil, Æneid, B. VII, VIII.
Latin Grammar and Composition.
Translation from authors not specified.

HONOURS.

Candidates who have taken Honours in Latin at Matriculation are not required to take the Junior Class.

Tacitus, Annals, B. I.
Livy, B. XXI.
Cicero, De Natura Deorum, B. II.
Philippic I.
Philippic II.
Philippic XIV.
Pro Ligario.
Pro Murena.
Lucretius, B. III.
Virgil, Æneid, B. VII, VIII, IX, X, XI, XII.
Plautus, Trinummus.
Terence, Phormio.
Horace, Odes and Satires.
Juvenal, Satires III, VII, VIII, X.
Latin Grammar and Composition.
Translation from authors not specified.

Books recommended :

Cruttwell's Roman Literature.
 Peile's Etymology.
 Papillon's Comparative Philology.
 Wordsworth's Fragments and Specimens of Early Latin.
 Allen & Greenough's Latin Grammar

GREEK.

JUNIOR CLASS.

Before joining this class, students must pass the Matriculation examination, or satisfy the Instructor that they are able to proceed with the work of the class.

Greek Grammar.
 Greek Composition. (Text-book : *Fletcher and Nicholson's Elementary Greek Prose Composition*).
 Translation from authors not specified.
 Xenophon, *Cyropaedia*, B. I.
 Homer, *Odyssey*, B. VII.

SENIOR CLASS.

Thucydides, B. IV.
 Sophocles, *Ajax*.
 Greek Grammar and Composition.
 Translation from authors not specified.

HONOURS.

Candidates who have taken Honours in Greek at Matriculation are not required to take the Junior Class.

Herodotus, B. IX.
 Thucydides : Two books.
 Demosthenes, *De Corona*.
 Aristotle, *Ethics*, B. I, II, X.
 Plato, *Republic*, B. I, II, III, IV.
 Homer, *Iliad*, B. VI, XVIII, XXII.
 Odyssey, B. VI, XII, XXI.
 Æschylus, *Agamemnon*.
 Prometheus.
 Sophocles : Two Plays.
 Euripides, *Medea*.

Aristophanes, Clouds.
 Pindar, Isthmian Odes.
 Greek Grammar and Composition.
 Translations from authors not specified.

Books recommended :

Mahaffy's Greek Literature.
 Goodwin's Greek Grammar,
 Papillon's Comparative Philology.

MATHEMATICS.

JUNIOR CLASS.

The theory and practice of Algebra to the Binomial theorem inclusive.

Text-Book : Dupuis' Queen's College Junior Algebra.
 (Henderson & Co., Kingston).

Geometry of the point, line and circle in the plane.
 Parts I, II, III.

Text-Book : Dupuis' Synthetic Geometry. (Macmillan & Co., London).

Candidates who matriculate with first-class Honours, and who intend to pursue the Honour course in Mathematics, may omit the Junior Class, provided they have an acquaintance with the Geometry of that class.

SENIOR CLASS.

Algebra—Logarithms, Indeterminate Coefficients and Simple Series.

Geometry—Elementary Synthetic Solid Geometry.

Trigonometry—Preceding DeMoivre's Theorem.

HONOURS.

1st Honour Class.

Synthetic Solid Geometry.
 Analytical Geometry of two dimensions.
 Trigonometry following DeMoivre's theorem.

Higher Algebra and elementary Determinants.
 Dupuis' Synthetic Geometry, parts IV and V.
 Elements of the Differential Calculus.

Books recommended :

C. Smith's Conics ; Todhunter's Trigonometry ; Lock's
 Higher Trigonometry ; Hall & Knight's Higher Algebra.

2nd Honour Class.

Differential Calculus and elements of Integral Calculus.
 Higher Analytical Geometry of two dimensions.
 Spherical Trigonometry, Geodesy and Spherical Astronomy.
 Elementary Coordinate Geometry of three dimensions.

Books recommended :

Williamson's Differential Calculus ; Salmon's Conics, Todhunter's Spherical Trigonometry.

3rd Honour Class.

Analytical Geometry of three dimensions.
 Integral Calculus.
 Determinants and theory of Equations.
 Differential Equations.
 Quaternions.

Books recommended :

C. Smith's, or Aldis' Solid Geometry ; Williamson's Integral Calculus ; Hanus' Determinants ; Kelland and Tait's Quaternions.

The following list of books of reference upon the foregoing subjects is given :—

W. B. Smith's Coordinate Geometry ; Casey's Conic Sections ; Edwards' Differential Calculus ; Todhunter's Differential Calculus ; Todhunter's Integral Calculus ; Byerley's Integral Calculus ; Salmon's Coordinate Geometry of three dimensions ; Dostor's Determinants ; Muir's Determinants ; Forsyth's Differential Equations ; Laisant's Quaternions.

PHYSICS.

JUNIOR AND SENIOR CLASSES.

Lectures and Experiments are given on the following subjects :

Dynamics (which includes those subjects commonly called *Mechanics*, *Hydrostatics*, *Hydrodynamics*, and *Pneumatics*).

Properties of Matter : Mass—Density—Gravitation—Specific weight—Weight of gases—Molecular forces—Energy.

Heat.

Thermometry—Calorimetry (Specific and Latent Heats)—Hygrometry—Transference of heat (Conduction and Radiation)—Dynamical theory of heat.

Light.

General laws of Radiant Energy—Geometrical Optics—Physical Optics—Construction and Use of Optical Instruments—Spectrum analysis.

Acoustics.

Physical Theory of Music—Optical methods of studying vibratory motions.

Magnetism with special reference to terrestrial magnetism.

Electricity.

Frictional Electricity—Voltaic Electricity—Thermo-Electricity—Magneto-Electricity—Electro-Magnetism—Diamagnetism—Electro-Dynamics.

Algebra, Geometry and Trigonometry are applied to the solution of Physical and Dynamical problems, and weekly exercises are given throughout the session.

Text-book : Marshall's *Introduction to the Science of Dynamics*, parts I and II.

The following books should be used in connection with the lectures :

Deschanel's *Natural Philosophy*.
Everett's *Units and Physical Constants*.
Chambers' *Mathematical Tables*.

Beginners will find Gage's Elements of Physics full of suggestive experiments, and more advanced students will consult with advantage Tait's Recent Advances in Physical Science, and Clerk Maxwell's Matter and Motion.

Students should take the class of Junior Mathematics before entering the class of Junior Physics, and the class of Senior Mathematics before entering the class of Senior Physics.

FIRST HONOUR CLASS.

Students should take the class of First Honour Mathematics before entering this class.

The work will be a continuation of that done in the Junior and Senior, with applications of higher mathematics.

The following books are recommended :

Thomson and Tait's Natural Philosophy.
 Besant's Hydrostatics.
 Frost's Newton's Principia.
 Tait's Properties of Matter.
 Balfour Stewart's Heat.
 Clerk Maxwell's Theory of Heat.
 Tait's Thermodynamics.
 Aldis' Geometrical Optics.
 Lloyd's Wave Theory of Light.
 Taylor's Sound and Music.
 Cuming's Theory of Electricity.

Students are required to attend the class in Astronomy at the observatory. This includes :

Examinations, written and oral, on descriptive and theoretical Astronomy, with the use of instruments.

Students who may desire more extended practice in observations with the Theodolite, Sextant, Transit and Equatorial, with their reductions, will have an opportunity of attending for this purpose a class during the summer from 15th May to 12th July.

Text-books : Lockyer's Astronomy, Loomis' Practical Astronomy.

HIGHER HONOURS.

Students studying for Higher Honours will have the opportunity of reading with the Professor the applications of the Higher Mathematics to Physics. A knowledge of the Differential and Integral Calculus and of Analytical Geometry of three dimensions is necessary.

The subjects taken up will be Dynamics of a Particle and of a Rigid Body, for which the student may read the following works:

Tait and Steele's Dynamics of a Particle.
 Todhunter's or Minchin's Analytical Statics.
 Pirie's Lessons on Rigid Dynamics.

Lectures will be given on the Dynamical Theories of Heat, Light and Electricity.

PHYSICAL LABORATORY.

The Physical Laboratory is open daily during the session from 10 to 3 o'clock.

Instruction is given in experimentation; and facilities are offered for studying the construction and use of Physical apparatus, and for doing independent or original work.

MENTAL AND MORAL PHILOSOPHY.

JUNIOR CLASS.

Lectures on the History of Philosophy, with special study of Aristotle's Ethics (Peters' translation) and Locke's Essay on the Human Understanding, Bks. I and II.

The essays and exercises prescribed are compulsory.

SENIOR CLASS.

Lectures on the general principles of Mental and Moral Philosophy.

The essays and exercises prescribed are compulsory.

FIRST HONOUR CLASS.

Critical study of the Philosophy of Kant, as contained in Watson's Selections from Kant, and of Green's Prolegomena to Ethics. Discussion of the Principles of Psychology and Logic.

SECOND HONOUR CLASS.

This class is intended partly for the study of the work prescribed for Honours, but mainly for the independent investigation by students of philosophical systems and theories.

For Extra-mural Students.

First Year Pass.

Students are required to show familiarity with the substance of the books mentioned below. They are recommended to take up the work in the following order :

1. Schwegler's History of Philosophy, I-XI.
 Ferrier's Lectures on Greek Philosophy, pp. 1-209.
 Essay for 15th Oct.: A comparison of the doctrines of Heraclitus and Parmenides.
2. Schwegler's History of Philosophy, XII-XIII.
 Ferrier's Lectures on Greek Philosophy, pp. 210-303,
 Essay for 1st Nov.: The Minor Socratic Schools.
3. Zeller's Plato and the Older Academy.
 Schwegler's History of Philosophy, XIV.
 Ferrier's Lectures on Greek Philosophy, pp. 304-365.
 *Essay** for Dec. 22nd : Plato's Theory of Education.
4. Aristotle's Nicomachean Ethics (Peters' translation.)
 Schwegler's History of Philosophy, XVI.
 Ferrier's Lectures on Greek Philosophy, pp. 366-419.
 Essay for 1st Feb.: The Relation of Aristotle's Ethics to his Psychology.

*Nettleship's article on "Plato's Theory of Education" in *Hellenica* (Rivington's) is very valuable, but a knowledge of it will not be required.

5. Schwegler's History of Philosophy, XVII-XXVI.*
Essay for 15th February: The Principles of the Cartesian Philosophy.
6. Schwegler's History of Philosophy, XXVII-XXXV.
Fraser's Selections from Berkeley.
Fraser's Berkeley (Blackwood's Philosophical Classics).
Essay for 15th March: The Development of the Philosophy of Berkeley.

Second Year Pass.

1. J. S. Mill's System of Logic, Book II, chapters 5 and 6.
Courtney's Metaphysics of John Stuart Mill, chap. 8.
Essay for 15th October: Mill's view of Mathematics.
2. Mill's Logic, Book III.
Courtney's Metaphysics of John Stuart Mill, chap. 7.
Essay for 15th November: Mill's Theory of Causation.
3. Mill's Examination of Hamilton's Philosophy, chaps. 11-13.
Courtney's Metaphysics of John Stuart Mill, chaps. 1-6.
Essay for 15th December: Mill's Theory of the Belief in an External World.
4. Green's Prolegomena to Ethics, Book II.
Essay for 1st Feb.: The Relations of Desire, Intellect and Will.
5. J. S. Mill's Utilitarianism.
Green's Prolegomena to Ethics, Book III, chap. 1.
Essay for 1st March: Utilitarianism.

HONOURS.

Mental Philosophy.

Candidates will be examined on the following books:

Plato's Republic and Theætetus.
Aristotle's De Anima.
Descartes' Discourse on Method and Meditations.
Locke's Essay on the Human Understanding.
Berkeley's Philosophical Writings (Fraser).
Hume's Treatise on Human Nature, Vol. I., with Green's Introduction (Green and Grose's edition).
Kant's Critique of Pure Reason and Prolegomena.
Mill's System of Logic.

*See also Caird's article, "Cartesianism" in the Encyclopædia Britannica.

Moral Philosophy.

Candidates will be examined on the following books :

Aristotle's Nicomachean Ethics.

Spinoza's Ethics and De Intellectus Emendatione.

Hume's Treatise on Human Nature, Vol. II, with Green's Introduction (Green and Grose's edition).

Kant's Critique of Practical Reason (Abbott).

Hegel's Philosophy of History.

Maine's Ancient Law.

Familiarity with the substance of the main philosophical systems of ancient and modern times is expected.

Honours for Extra-mural Students.

The subjects of study are the same as those prescribed for extra-mural students, but candidates are recommended not to attempt the examination without attendance on the class for First Year Honours.

POLITICAL SCIENCE.

Students are required to take the class of Junior Philosophy either before or during the same session as that of Junior Political Science.

JUNIOR CLASS.

The lectures will include a discussion of the general principles of Political Economy and a critical examination of the leading theories of the State.

SENIOR CLASS.

Lectures will be given on particular principles of Political Economy, the essential nature of society, and the principles of government and citizenship.

In both classes fortnightly essays will be required. Books for reference will be announced along with the subjects of essays.

For Extra-mural Students.

JUNIOR CLASS.

Political Economy.

Candidates will be examined on the following books :

Marshall's Economics of Industry.
 Jevons' Money and Mechanism of Exchange.
 Cunningham's Growth of English Industry and Commerce.

Essays :

- Oct. 10, 1889—The Interdependence of the three Elements of Production, Land, Labour and Capital. Marshall, Book I.
- “ 31, “ The various conditions of Value and its Relation to Price. Marshall, Bk. II, chaps. 1, 2, 5, 13; Jevons, chap. 2; Cunningham, Bk. IV, chap. 1.
- Nov. 21, “ The conditions which determine Rent, and the changes which these have undergone since the time of Ricardo. Marshall, Bk. II, chaps, 3 and 4.
- Dec. 12, “ Trade Unions and their Influence. Marshall, Book III, chaps. 5 to 8.
- Jan. 22, 1890—The Clearing-house System. Jevons, chap. 21.
- Feb. 12, “ The Industrial Aspects of Feudalism in England. Cunningham, Book II, chap. 1.
- March 5, “ The Rise of Capitalism in England. Cunningham, Book IV, chap. 3; Book V, chap. 6.

SENIOR CLASS.

Theory of the State.

Candidates will be examined on the following books :

Plato's Republic, Books I-VI.
 Locke's Treatise on Civil Government, Book II.
 Montague's The Limits of Individual Liberty.

Essays :

- Oct. 10, 1889—Socrates' argument in support of Justice. Republic, Book I.
- “ 31, “ A comparison of the views of Plato and Locke as to the Origin of the State. Plato, Book II; Locke, Book II, chaps. 2, 7, 8.

- Nov. 21, 1889—The Relation of Individuals to Society. Montague, chaps. 3-4.
- Dec. 12, “ A comparison of the views of Plato and Locke as to the Object of the State. Plato, Book IV; Locke, Book II, chaps. 7, 8, 9.
- Jan. 22, 1890—A general examination of Locke's View of the State.
- Feb. 12, “ A general examination of Plato's View of the State.
- March 5, “ The Function of the State. Montague, chap. 6.

HONOURS.

First Year.

The class will meet for the discussion of Economic, Social and Political Principles, and for the critical reading of portions of the works prescribed for Honours.

Candidates will be examined on the following books :

Political Economy:

Smith's Wealth of Nations.
 Malthus' Essay on Population.
 Mill's Principles of Political Economy.
 Walker's Political Economy.
 Cairnes' Leading Principles of Political Economy.
 Ingram's History of Political Economy.

Society and the State:

Plato's Republic.
 Hobbes' Leviathan.
 Locke's Treatise on Civil Government.
 Maine's Ancient Law.
 Carlyle's Sartor Resartus, Book III.
 Montague's Limits of Individual Liberty.

Second Year.

The class will meet for a more detailed discussion of Economic, Social and Political Principles.

Candidates must show familiarity with the substance of the following books :

Political Economy:

Cunningham's Growth of English Industry and Commerce.
 List's National System of Political Economy.
 Marx's Capital.
 Jevons' Money and Mechanism of Exchange.
 Bagehot's Lombard Street.
 Walker's The Wages Question.
 Brentano's Guilds and Trade Unions.
 Trant's Trade Unions.

Society and the State:

Aristotle's Politics, Books I, III, IV.
 Bluntschli's Theory of the State.
 Mill's Representative Government.
 Burke's Appeal from the New to the Old Whigs.
 Green's Lectures on Political Obligation.
 Carlyle's Past and Present.
 Arnold's Culture and Anarchy.
 Rae's Contemporary Socialism.

CHEMISTRY.

Candidates who intend to take an Honour course in Chemistry should be prepared to enter the Senior Class in their second year.

JUNIOR.

Three hours a week.

Lectures and Experiments on :

The general principles of Chemistry.
 The more commonly occurring elements and their compounds.

SENIOR.

Two hours a week.

Chemical laws and their experimental basis, including the
 Periodic Law of the Elements.
 Carbon Compounds.
 Crystallography.

Books for consultation :

Goodwin's Chemistry.
 Roscoe's Elementary Chemistry.
 Crum Brown's Elements of Chemistry.

HONOURS.

The course for Honours extends over two years, and comprises lectures and laboratory work.

LECTURES.

1889-90	{	Organic Chemistry.
		Mineralogy.
		Metallurgy.
1890-91	{	General Chemistry.
		Chemical Technology.
		Chemical Physics.

Books for consultation :

Remsen's Organic Chemistry.
 Dana's Mineralogy.
 Roscoe and Schorlemmer's Treatise on Chemistry.
 Pattison Muir's Principles of Chemistry.
 Wagner's Chemical Technology.
 Lothar Meyer's Modern Theories of Chemistry.

LABORATORY WORK.

First Year.

Preparation and examination of the common elements and their compounds.
 Blow-pipe testing.
 Qualitative analysis.

Second Year.

Quantitative analysis, including assaying.

THE LABORATORY.

The Laboratory is open from 9 to 4 o'clock on each class day, and from 9 to 12 o'clock on Saturday.

Each student is supplied with a set of apparatus, and is liable for breakage.

Books for consultation :

Thorpe and Muir's Qualitative Analysis.
 W. N. Hartley's Quantitative Analysis.
 Sutton's Volumetric Analysis.
 Crookes' Select Methods in Chemical Analysis.
 Hiorns' Practical Metallurgy and Assaying.

COURSE FOR STUDENTS OF MEDICINE.

The course extends over two sessions. The *first session's* work consists of experimental lectures on the principles of chemical science with special reference to its bearing on medicine. The *second session* is devoted to the preparation and study of the more commonly occurring elements and their compounds. The student prepares and examines for himself the principal chemical substances used in medicine.

In the class of *Analytical Chemistry* systematic testing of chemical substances is taught. This class is intended to prepare the student to recognise and test drugs, &c. It may be taken during either the winter or the summer session.

In the class of *Chemical Toxicology* and *Urine Analysis* the subjects are studied both practically and theoretically.

Books for consultation :

Goodwin's Chemistry.
Crum Brown's Chemistry.

NATURAL SCIENCE.

Botany :

Lectures on :

Morphology of the Cell, the Tissues, and the various organs of plants.
Arrangements for cross fertilization.
Elements of plant-food.
Assimilation, metastasis, movements of water and gases in the plant.
Effects of Temperature.
Principles of classification.
Character of a number of typical orders, illustrated by the examination of specimens and Botanical Charts.

Zoology :

Lectures on :

Typical specimens of every branch or large division of animals.

Morphology, including Histology, Physiology, Mode of Nutrition, Reproduction, and Distribution of individual specimens, and the characters according to which they are classified.

The Human Skeleton.

Geology :

Lectures on :

Lithological Geology.

Dynamical Geology.

Outline of the Geological History of the Globe, with special reference to the formations found in Canada.

The lectures are illustrated by specimens and diagrams.

Students are required to give in monthly essays on prescribed subjects.

The following works must be consulted :

Huxley and Martin's Elementary Biology.

Gray's Structural Botany.

Bessey's Botany.

Packard's Zoology.

Dana's Manual of Geology.

HONOURS.

The course extends over two years and embraces Book work and Laboratory work. Essays are required on specified subjects in every department.

*First Year.**Botany :*

A practical acquaintance with the Phænogamous Plants of Canada is required of the candidates.

Books for reference :

Gray's Manual of Botany.
Wood's Class-book of Botany.

Candidates will also be examined on the following :

Gray's Structural Botany.
Bessey's Botany.

Zoology :

Examination and comparison of representative species from
the division Invertebrata.
Animal dissection.

Books for reference :

Huxley's Invertebrata.
Huxley and Martin's Practical Biology.
Brooks' Handbook of Zoology.

Candidates will be examined on the following :

Packard's Zoology.
Claus and Sedgewick's Zoology.
Foster & Balfour's Elements of Embryology.

Geology :

Outlines of Physical Geography, Geology and Palæontology.
Examination and determination of minerals and rocks.

Books for reference :

Elisée Reclus' The Earth, The Ocean.
Dana's Manual of Mineralogy.
Johnstone's Physical Atlas.

Candidates will also be examined upon the following :

Page's or Geikie's Physical Geography.
Lyell's Principles of Geology.
Dana's Manual of Geology.

Second Year.

Botany.

Laboratory work in the examination of Phænogamous and
Cryptogamous Plants.
Distribution of plants in time and space.
Economic Botany.
A practical acquaintance with the Cryptogamous Flora of
Canada is required of candidates.

Books for reference :

Sach's Text-book of Botany.
 Thome's Botany.
 Macoun's Catalogues of Canadian Plants.
 Lesquereux and Jones' Mosses of N. America.

Candidates will also be examined on the following :

Bessey's Botany.
 Gray's Botanical Text-book, vols. I and II.

Zoology.

Examination of skeletons and dissection of specimens.
 Palæontological history and distribution of species.

Books for Laboratory work :

Mivart on the Cat.
 Huxley on the Frog.
 Wilder and Gage's Anatomical Technology.
 Parker's Zootomy.
 Gunther on Fishes.
 Flower's Osteology of the Mammalia.
 Owen's Anatomy of Vertebrata.
 Jordan, Manual of American Vertebrates.

Candidates will also be examined upon :

Claus and Sedgewick's Vertebrata.
 Huxley's Elementary Physiology.
 Mivart's Elementary Anatomy.
 Wallace's Distribution of Animals.

Geology.

Examination of specimens of Rocks, Fossils, etc.
 A special study of Canadian Geology.

Books for reference :

Geological Reports.
 Chapman's Synopsis of Palæontology.

The candidate will also be examined on the following:

Geikie's Text-book of Geology.
 Geikie's Field Geology.
 Chapman's Geology of Canada.
 Nicholson's Palæontology.
 Croll's Climate and Time.

HISTORY.

JUNIOR CLASS.

Ancient History.

Lectures on :

- The development of early civilization and the growth of National life.
- The constitutions and political development of the Greek States.
- The Roman Constitution.
- A comparison of Greek and Roman civilization.
- Causes of the fall of the Roman Empire.

Students will also be examined on :

Rawlinson's Manual of Ancient History.

Books recommended to be read :

- Grote's History of Greece.
 - Curtius' History of Greece.
 - Mommsen's History of Rome.
 - Ihne's History of Rome.
 - Curteis' The Rise of the Macedonian Empire.
 - Beesly's The Gracchi, Marius and Sulla.
 - Merrivale's The Roman Triumvirates.
- } Epochs of
History
Series.

SENIOR CLASS.

Modern History.

Lectures on :

- The Rise of Modern European Nations.
- The Feudal System.
- The Growth of the Towns in the Middle Ages.
- The Crusades and their influence on Europe.
- The development of Monarchy.
- The state of Europe before the French Revolution.
- The British Constitution.

Students will also be examined on :

Hallam's Middle Ages and Bourinot's Constitution of Canada.

Books recommended :

Guizot's History of Modern Civilization.
 Guizot's History of France.
 Green's History of the English People.
 Bryce's Holy Roman Empire .
 Freeman's Growth of the English Constitution.
 Kingsford's History of Canada.
 Fortnightly Essays are required.

For Extra-mural Students.

FIRST YEAR PASS.

Ancient History.

Text-Book: Rawlinson's Manual of Ancient History.

Students are also required to make themselves familiar with the following books, and to write essays in connection with them, which have to be given in at the times stated :

The Athenian Empire, by Sir G. W. Cox.

Essay : On Perides and Athenian Supremacy. Nov. 4th.

The Spartan and Theban Supremacies, by Charles Sankey.

Essay : The Bœotian Confederacy. Nov. 29th.

The Rise of the Macedonian Empire, by Arthur M. Curteis.

Essay : The effects of the Macedonian conquest of the East on the political and social condition of the Greeks. Dec. 18th.

Early Rome, by W. Ihne.

Essay : The Roman Comitia. Jany. 18th.

Rome and Carthage, by R. Bosworth Smith.

Essay : The results of the Punic War on Rome. Feb. 10.

The Gracchi, Marius and Sulla.

Essay : The Agrarian Laws and the Gracchi. Feb. 26th.

The Roman Triumvirates, by Charles Merivale.

Essay : The causes of the fall of the Roman Republic.
March 15th.

The Early Roman Empire, by W. W. Capes.

Essay : The Organization of the Empire under Augustus.
April 2nd.

SECOND YEAR PASS.

Modern History.

Text-book: Hallam's Middle Ages.

The following books are also to be studied, and Essays to be written in connection with them, and sent in at the dates prescribed :

The Beginning of the Middle Ages, by R. W. Church, D.D.

Essay : The relation of the Carolingian Kings with the Papacy. Oct. 15th.

The Normans in Europe and the Feudal System, by A. H. Johnson.

Essay : The Feudal System in England. Nov. 4th.

The Crusades, by Sir G. W. Cox.

Essay : The results of the Crusades on Europe. Nov. 24th.

The Early Plantagenets, by Rev. W. Stubbs (Bishop of Chester).

Essay : The Rise of the House of Commons. Dec. 16th.

The Houses of Lancaster and York, by James Gairdner.

Essay : The growth of Parliament under the Lancastrian and Yorkist Kings. Jany. 18th.

The age of Elizabeth, by Rev. M. Creighton, M.A.

Essay : The relations of the Crown and Parliament in Elizabeth's reign. Feb. 4th.

The Thirty Years' War, by Sam. Rawson Gardiner.

Essay : The political relations of Germany with France under Richelieu and with the Papacy. Feby. 25th.

The Fall of the Stuarts, by Rev. Edward Hale, M.A.

Essay : The struggle against Absolute Monarchy under Charles II and James II. March 17th.

The Epochs of Reform, by Justin McCarthy.

Essay : Representative Government in England previous to the passing of the Reform Bill of 1832. April 4th.

The books here prescribed belong to the "Epochs of History" series, and can be purchased at a very moderate price.

HONOURS.

First Year.

Lectures on the general principles of Government.
Students will also be examined on Stubbs' Constitutional History of England, vols. I. II and III.

Books recommended :

Guizot's Representative Government.
Rousseau's Social Contract.
Machiavelli's Prince.
Dicey's The Law and the Constitution.
Hearn's Government of England.
Gneist's English Constitution.
Kemble's Anglo-Saxons in England.

Second Year.

Lectures: (a) A comparison of the British Constitution with other Constitutions, especially with that of the United States; (b) On the government of Colonies.

Students will also be examined on :

Hallam's Constitutional History of England.
May's Constitutional History.
Bancroft's History of the Constitution of the United States.
The Federal Convention, chapters 7 to 11.

Books recommended :

Bagehot's Constitutional Government.
Todd's Parliamentary Government in England.
Todd's Parliamentary Government in the British Colonies.
Bryce's American Commonwealth.
De Tocqueville's Democracy in America.
Fortnightly Essays are required.

ENGLISH LANGUAGE AND LITERATURE.

JUNIOR CLASS.

The course will comprise :

1. A historical review of a period of English Literature.
2. Lectures on style and composition in connection with the study of great prose writers.
3. A detailed study of the following works:
Shakespeare's Julius Cæsar.
Pope's Essay on Man.
Carlyle's Essay on Burns.

SENIOR CLASS.

The course will comprise :

1. A historical review of a period of English Literature; lectures on English Prosody.
2. Lectures on the growth and character of the English Language.
3. The study of Anglo-Saxon (Sweet's Anglo-Saxon Reader).
4. A detailed study of the following works:

Chaucer's Clerke's Tale.

Milton's Paradise Lost, Book I.

Arnold's Function of Criticism (Essays in Criticism, First Series).

HONOURS.

First Year.

Wordsworth, The Prelude: Selections (Golden Treasury Series).

Coleridge, Shelley and Keats. (Ward's Selections in The English Poets, vol. IV).

Carlyle, Past and Present.

Browning, Men and Women, Dramatic Romances, A Soul's Tragedy.

Arnold, On Translating Homer; Essays on Wordsworth and Byron (Essays in Criticism, Second Series).

Second Year.

Tennyson, In Memoriam, Mort D'Arthur.

Scott, Guy Mannering, Old Mortality.

Thackeray, Vanity Fair, The Newcomes.

Hawthorne, House of the Seven Gables, The Scarlet Letter.

Emerson, The method of Nature (Essays); Representative Men.

Carlyle, French Revolution, Reminiscences.

Browning, The Ring and the Book.

Arnold, Essays in Criticism (Second Series), Culture and Anarchy.

*For Extra-mural Students.**First Year Pass.*

1. Shakespeare's Julius Cæsar (Clarendon Press Edition).
Dowden's Shakespeare, His Mind and Art, chaps. 1, 2 and 6.
2. Pope's Essay on Man (Clarendon Press Edition).
Johnson's Life of Pope; Arnold's Selection from Lives of the Poets with Preface (Macmillan & Co).
Seeley and Abbot's English Lessons for English People, Parts II and III.
3. Earle's Philology of the English Tongue, Introduction and chaps. 1 to 5, inclusive.
4. Carlyle's Essay on Burns.
History of English Literature in the 18th century (Arnold's Manual of English Literature).

Second Year Pass.

1. Chaucer's Prologue to the Canterbury Tales (Clarendon Press Edition).
Ward's Life of Chaucer (Men of Letters Series).
Morris's Historical Outlines of English Accidence, chaps. 1 to 12, inclusive.
2. Marlowe's Dr. Faustus.
Shakespeare's Macbeth (Clarendon Press Edition).
Symond's Predecessors of Shakespeare (Smith, Elder & Co.), chaps. 1 to 7, and 14 to 15, inclusive.
Saintsbury's History of Elizabethan Literature, chaps. 5 to 9, inclusive. (Macmillan & Co).
3. Carlyle's Essay on Johnson.
Arnold's Function of Criticism (Essays in Criticism, (First Series),

In connection with these two courses exercises will also be prescribed, to be sent to the Professor on the dates specified.

HONOURS.

The subjects of study for Honours are the same as those for intra-mural students, with the addition of the following :

Sweet's Anglo-Saxon Reader, Introduction and Specimens
I, II, VII, VIII, X, XIX, XXIV, XXVI.
Earle's History of Anglo-Saxon Literature.

MODERNS.

I. FRENCH.

Junior Class.

Erckmann-Chatrian, L'Ami Fritz.
Corneille, Le Cid.
Scribe, Le Verre d'eau.
Ponsard, Le Lion amoureux.
Sardou, La Perle noire.
Angier et Sandeau, Le Gendre de M. Poirier.
Unspecified Authors.
Grammar, Translation into French. and Dictation.

Senior Class.

Molière, L'Avare.
Voltaire, Zaïre.
Victor Hugo, Hernani.
Alfred de Musset, On ne saurait penser à tout.
Il faut qu'une porte soit ouverte ou fermée.
Sandeau, Mlle de la Seiglière.
Augier, Les Fourchambault.
Feuillet, Roman d'un jeune homme pauvre.
A. Daudet, Le siège de Berlin et autres contes.
Unspecified authors.
Translation into French, Composition, Dictation, Exercises
in Conversation and History of the Literature (Saints-
bury's Primer).

2. GERMAN.

Junior Class.

Schiller, Don Carlos.
Körner, Zriny.
Tieck, Die Elfen, Rothkæppchen.
Heyse, Die Einsamen, Anfang und Ende.
Unspecified authors.
Grammar, Translation into German, and Dictation.

Senior Class.

Lessing, Emilia Galotti.
 Goethe, Hermann und Dorothea.
 Freytag, Die Journalisten.
 Chamisso, Peter Schlemihl.
 Fouqué, Undine.
 Storm, Der Immensee.
 Elz, Er ist nicht eifersüchtig.
 Benedix, Der Weiberfeind.
 Müller, Im Wartesalon erster Classe.
 Unspecified authors.
 Translation into German, Composition, Dictation, Exercises in Conversation and History of the Literature (Helen Conant).

HONOURS.

French.

The course in Honours extends over two years.

Corneille, Pompée, Polyeucte.
 Racine, Mithridate, Athalie.
 Molière, Le Misanthrope, Le Bourgeois gentilhomme, Le Dépit amoureux.
 La Fontaine, Fables.
 Voltaire, La Mort de César, Mahomet.
 Beaumarchais, Le Barbier de Séville.
 Mme De Staël, De l'Allemagne, 1ere partie.
 Chateaubriand, Atala, René.
 Victor Hugo, Ruy Blas, Cromwell, Orientales, Notre Dame de Paris.
 Alfred de Vigny, Cinq-Mars.
 Prosper Mérimée, Colomba.
 About, Le Roi des montagnes, La mère de la marquise.
 Balzac, Eugenie Grandet.
 Halévy, L'Abbé Constantin.
 Pierre Loti, Pêcheurs d'Islande.
 Augier, La Pierre de touche.
 Bartsch Chrestomatie de l'ancien français (selections).
 History of the French Language (Brachet).
 History of the French Literature (Petit de Julleville).
 Translation into French, Composition and Conversation.

GERMAN.

Lessing, Muna von Barnhelm, Nathan der Weise.
 Schiller, Wallenstein, Maria Stuart, Die Jungfrau von Orleans.

Goethe, Faust, erster Theil, Egmont, Aus meinem Leben,
Dichtung und Wahrheit, I, II, III, Die Leiden des jungen
Werthers.

Simonson, Deutsches Balladenbuch.

Freytag, Soll und Haben.

Auerbach, Auf Wache.

Scheffel. Ekkehard.

Ebers, Die Frau Bürgermeisterin.

Gottschall, Katharina Howard, Die Diplomaten.

Benedix, Doctor Wespe, Die zärtlichen Verwandten, Das
bemooste Haupt.

Wackernagel, Kleineres altdeutsches Lesebuch (Selec-
tions).

History of the German Language.

History of the German Literature (Kluge).

Translation into German, Composition and Conversation.

CALENDAR

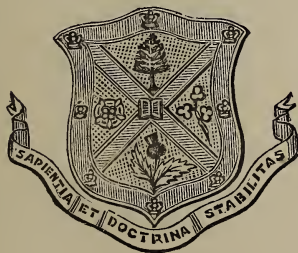
OF

Queen's College and University,

KINGSTON, CANADA.

FOR THE YEAR 1889-90.

PART II.



INCORPORATED BY ROYAL CHARTER, A.D. 1841.

KINGSTON :

PRINTED FOR THE UNIVERSITY BY WM. BAILIE.

1889.

FACULTY OF THEOLOGY.

MATRICULATION.

Matriculation and B.D. Examinations begin on Friday, 1st November. Candidates must give notice to the Secretary of the Faculty on or before 28th Oct.

The prescribed order of classes must be observed by all students who are candidates for the degree of Bachelor of Divinity or for Testamurs.

Subjects of Examination :

- 1889-90—Westminster Confession.
 - Hill's Lectures, Book I.
 - Acts 1-12, in Greek and English.
 - Examination in Hebrew on Regular Verb and Pronouns, and on the translation and analysis of Gen. XXXII.
-

Subjects of Study.

I.—DIVINITY.

Lectures will be given on :

- The Canonicity, Authenticity, Genuineness and Credibility of the Biblical Records.
- The Inspiration and Authority of the Scriptures.
- Systematic Theology.
- The Pastoral Office, and Homiletics—with prelections and examinations on Hill's Lectures in Divinity.

II.—HEBREW AND CHALDEE.

First Year.

Wolfe's Hebrew Grammar.
Gen. XXXIV.
Jonah I-IV.
1 Sam. VI.
Ps. I-XIX.

Second Year.

Gesenius' Hebrew Grammar,
Deut. VII.
Prov. XVI, XVII.
Jer. XXV, XXVI.
Zech. I, IV.
Ps. CX-CXXXIII.

Third Year.

Gesenius' Hebrew Grammar.

Winer's Chaldee Grammar.

Job XXXIX.

Hosea VII, VIII.

Is. XLIII-XLV,

Ps. LXIX-LXXXIX.

Dan. II, III, VII.

Ezra IV.

III.—APOLOGETICS.

Lectures on Historical Apologetics. Butler's Analogy, Part I.

IV.—BIBLICAL CRITICISM.

Old Testament Exegesis—Is. I.-V. Hag. I.-II. Mal. I.-IV. Gen. XIV.-XVIII. Exod. I.-VI. Septuagint. Lectures.

New Testament Exegesis—James I., Pet. II., Pet. I., Jno. II., Jno. III., Jno., Jude. The Gospels. Lectures on Introduction and Criticism.

V.—CHURCH HISTORY.

Lectures on the Reformation period. Text-book, Fisher.

The church requires the following discourses to be delivered during the Course:—Homily; Lecture and Greek exercise; Sermon and Hebrew Exercise.

PASS EXAMINATION.

On the work of the Session.

DEGREE OF BACHELOR OF DIVINITY.**REGULATIONS.**

1. Candidates for the degree of Bachelor of Divinity (B.D.) must be Graduates in Arts of this University, or of a University whose degrees are recognized by the Senate.

2. The degree shall not be conferred until the candidate has completed the theological curriculum, with a view to the ministry in the church to which he belongs, and has passed a satisfactory examination in the branches of Theology taught in the University.

3. The subjects of examination shall be in two departments: the first embracing (1) Hebrew and Chaldee, (2) the Evidences of Religion, Biblical Introduction and the Inspiration of Scripture; the second embracing—(1) Church History, (2) Biblical Criticism, (3) Systematic Theology.

4. Candidates who have completed the theological course may be examined in either of these departments, and may defer their examination in the other department, provided there be not a greater interval than two years between their two examinations.

5. Students may be admitted to examination in the first department, at the end of the second session of their theological course.

6. A candidate may, subject to the preceding regulations, appear at any University examination in Theology, provided he gives two weeks' notice of his intention to the Registrar.

Subjects of Examination:

DEPARTMENT I.

1. Evidences of Religion, Biblical Introduction, Inspiration of Scripture.

2. Hebrew, Isaiah xl.—lxvi. Chaldee, Daniel ii., iii., vii.

DEPARTMENT II.

1. *Church History*—Centuries i.—iii.; the Reformation; the Church in Scotland.

2. *Biblical Criticism*—Epistle to Romans, in Greek; Biblical Hermeneutics; Hammond's Textual Criticism of New Testament; Introduction to Pentateuch and Gospel of John; the Latter Prophets in LXX.

3. *Systematic Theology*—Person of Christ, Doctrine of Sin, Doctrine of the Atonement, Justification, Work of the Holy Spirit.

The following books may be consulted :

Paley's Evidences.
 Butler's Analogy.
 Flint's Theism and Anti-Theistic Theories.
 Mozley's Bampton Lectures on Miracles.
 Trench on the Miracles (preliminary essay).
 Westcott on the Canon of the New Testament.
 Briggs' Messianic Prophecy.
 Dorner on the Person of Christ.
 Liddon's Bampton Lectures on Our Lord's Divinity.
 Tulloch on the Christian Doctrine of Sin.
 Crawford on the Atonement.
 Anselm's Cur Deus Homo.
 Hill's Lectures in Divinity.
 Christian Dogmatics (Van Oosterzee's and Martensen's).
 Keil on the Old Testament and Bleek on the New Testament.
 Killen's Old Catholic Church.
 Fisher's History of the Reformation.
 Biblical Hermeneutics (Elliott & Harsha).

GRADUATION IN MEDICINE.

The degree of Doctor of Medicine (M.D.) is conferred upon candidates who comply with the following regulations :

1. Except as provided in the next regulation, every candidate must pass a matriculation examination upon the following subjects :

English Language, Grammar and Composition.

Arithmetic.

Algebra, to the end of Simple Equations.

Geometry, first two books of Euclid.

Latin, as in Arts, or a full equivalent.

Options, one of which must be taken ; Stewart's Physics ;
or one book in Greek, French or German.

2. Graduates from a recognized University are not required to pass the above examination ; a certificate of having passed the examination of the college of Physicians and Surgeons of Ontario, or of Quebec, will be accepted by this University.

NOTE.—As the Royal College of Physicians and Surgeons (England) requires Physics in matriculation, those intending to take its degree should pass in Stewart's Physics.

Candidates desiring to be registered by the Medical Council of Ontario, must pass the matriculation in Arts.

3. Candidates who are not graduates in Arts must furnish evidence of having attended some recognized Medical School for not less than four full sessions, and must pass all the required examinations.

Candidates who are graduates in Arts will be required to attend only three sessions.

4. All candidates must furnish evidence of having

had six months' experience in dispensing medicines in a Physician's office.

EXAMINATIONS.

5. The examinations required are First Year, Primary, Intermediate and Final.

(a) The First year examination is upon Botany and Theoretical Chemistry.

(b) The Primary examination is upon the subjects of Practical Chemistry, Analytical Chemistry, and Physiology.

Students who are graduates in Arts are allowed to take the First year and Primary Examinations at the same time.

(c) The Intermediate examination is upon Anatomy, Materia Medica, Sanitary Science, Medical Jurisprudence and Histology, and is open to students at the close of their third session. Two sessions' attendance on each subject is required.

(d) The final examination is open to students at the close of their course, and is upon Practice of Medicine, Surgery, Midwifery, Clinical Medicine and Clinical Surgery. Two sessions' attendance on each is required.

6. A candidate cannot be admitted to any of the foregoing examinations until he has matriculated.

PRIZES.

Besides University Prizes, Medals, etc., open to Medical students, the following Prizes are offered by the Faculty every year, viz.: Two House Surgeoncies of the Kingston Hospital—six months each—and two Demonstratorships of Anatomy, value \$50 each. These prizes are awarded to the four students making the highest number of marks at the second professional examination.

NOTICES.

1. The examinations of the Medical Council will be held in the City of Kingston as well as in Toronto.

2. Persons desiring to obtain full information respecting the curriculum in Medicine, Fees, etc., should apply to the Registrar or to the President of the Medical Faculty.

SCHOLARSHIPS.

SCHOLARSHIPS IN ARTS.

No Scholarship can be obtained without attendance in the Subject or Subjects in which the Scholarship is awarded.

Scholarships awarded at matriculation are tenable during the first session, and those awarded upon sessional examinations are tenable during the following session.

Successful candidates for scholarships must make *at least* two-thirds of the number of marks allotted to the subject or subjects upon which the scholarship is awarded.

Any student who passes in English is eligible for a scholarship at matriculation.

I. JUNIOR MATRICULATION SCHOLARSHIPS.

GOVERNOR GENERAL.

Given by His Excellency the Governor General.
Value, \$75. Awarded in Mathematics.

MACKERRAS MEMORIAL.

Founded in memory of the late Professor Mackerras.
Value \$100. Awarded in Latin and Greek.

GUNN.

Given by Alexander Gunn, Esq., M.P. Value, \$100.
Awarded for General Proficiency.

WATKINS.

Founded by the late John Watkins, Esq., Kingston. Value \$80. Awarded in Classics, Mathematics and English, and tenable only by candidates who have spent one year at the Kingston Collegiate Institute.

LEITCH MEMORIAL NO. 1.

Founded in memory of the late Principal Leitch. Value \$50. Awarded in English and Moderns.

FORBES M'HARDY.

Founded by the late Forbes McHardy, Esq., Toronto. Value, \$30, and exemption from Class fees for the year. Awarded for general proficiency.

SENATE, NOS. 1, 2, 3 AND 4.

These Scholarships, worth over \$100 each, are not paid in money. They exempt from Class and Registration Fees for the four years' course. Awarded for general proficiency.

MOWAT.

Founded by the late John Mowat, Esq., Kingston. Value, \$50. Awarded to the best candidate at the special oral examination on Arithmetic. Competition will take place on 5th October.

MARION STEWART M'DONALD.

Founded by John S. McDonald, Esq., Fond du Lac, Wis. Value, \$100. For general proficiency, but tenable only by candidates from Glengarry.

M. C. CAMERON.

Founded by M. C. Cameron, Esq., M.P. Value, \$60. Given to the best Gælic scholar, reader or speaker. The examination takes place after the matriculation examination.

ST. ANDREW'S CHURCH, RENFREW.

Awarded after the matriculation examination on the nomination of the Kirk-Session of Renfrew.

II. SCHOLARSHIPS AWARDED ON SESSIONAL EXAMINATIONS.

FOUNDATION NO. 1.

Value, \$50. Awarded in Senior Latin.

FOUNDATION NO. 2.

Value, \$50. Awarded in Senior Greek.

FOUNDATION NO. 3.

Value, \$50. Awarded in Senior English Literature.

FOUNDATION NO. 4.

Value, \$50. Awarded in Junior Philosophy.

FOUNDATION NO. 5.

Value, \$50. Awarded in Junior Physics.

FOUNDATION NO. 6.

Value, \$50. Awarded in Junior Mathematics.

CATARAQUI.

Value, \$50. Given by J. Bell Carruthers, Esq., Kingston. Awarded in Junior Chemistry.

SCHOLARSHIPS IN THEOLOGY.

I. MATRICULATION SCHOLARSHIPS.

DAVID STRATHERN DOW.

Founded in 1866 by David Strathern Dow, Esq.,
Whitby, Ont. Value, \$100.

BUCHAN, NO. 1.

Founded in 1875 by bequest of the Rev. Alexander
Buchan, Stirling, Ont. Value, \$80.

BUCHAN, NO. 2.

Founded by Rev. A. Buchan. Value, \$70.

BUCHAN, NO. 3.

Founded by Rev. A. Buchan. Value, \$60.

DOMINION.

Founded in 1870 by a gentleman now resident in
Nova Scotia. Value, \$70.

M'INTYRE.

Founded in 1876 by Mrs. Margaret W. McIntyre,
Perth, Ont. Value, \$20.

II. SCHOLARSHIPS AWARDED AT CLOSE OF SESSION.

ANDERSON, NO. 1.

Given by Robert Anderson, Esq. Value, \$40.
Awarded in First Year Divinity.

ANDERSON, NO. 2.

Given by Robert Anderson, Esq., Montreal. Value,
\$40. Awarded in Second Year Divinity.

ANDERSON, NO. 3.

Given by Robert Anderson, Esq. Value, \$20.
Awarded in Third Year Divinity.

GLASS MEMORIAL.

Founded in memory of the late Henry Glass, Esq., of Sarnia, by his widow. Value, \$30. Awarded in Church History.

TONONTO, NO. 1.

Founded by the Ladies' Association of St. Andrew's Church, Toronto. Value, \$30. Awarded in Second Year Hebrew.

TORONTO, NO. 2.

Founded by the Ladies' Association of St. Andrew's Church, Toronto. Value, \$30. Awarded in Third Year Hebrew and Chaldee.

ST. ANDREW'S CHURCH, TORONTO.

Given by the session of St. Andrew's Church, Toronto. Value, \$50. Awarded in O. and N. Testament Exegesis.

RANKINE.

Founded in 1881 by the late Alexander Rankine, Esq., Leamington, Eng. Value, \$55. Awarded in Apologetics.

LEITCH MEMORIAL, NO. 2.

Founded in 1867 in memory of the late Principal Leitch, by subscribers in Scotland and Canada. Value, \$80. Awarded upon a Sessional Examination, and tenable during three successive years, should the successful candidate, after the completion of his theological

curriculum at this University, continue his studies at this or any European University. Candidates must have the degree of B.A. The next competition will take place in April, 1890. Subjects of examination :— The Epistle to Romans and Hebrews in Greek, Psalms I.—XXV., in Hebrew, Butler's Analogy, and the Theological Lectures of the session.

SPENCE.

Founded 1879 by the late Rev. Alex. Spence, D.D., formerly minister of St. Andrew's Church, Ottawa. Value \$60. Awarded upon the Sessional Examination for general proficiency at the close of the first year in Theology. Tenable during the second and third year in Theology. The next competition will take place in 1890.

CHURCH BURSARIES.

These are awarded to students who have not obtained scholarships, and who are preparing for the ministry of the Presbyterian Church in Canada.

UNIVERSITY PRIZES.

Given at Convocation for literary articles, essays, etc., as specified under each particular prize.

CONDITIONS OF COMPETITION.

1. Competitive papers must be given in to the Registrar not later than the 21st February.

2. Each paper is to bear a motto, instead of the author's name, and must have attached to it a sealed envelope, bearing the same motto and containing a written declaration over the author's signature, to the effect that it is his unaided composition.

3. The envelope attached to successful papers shall be opened and the writer's name made known at the closing Convocation of the session.

4. The best productions must be reported by the examiners to be of sufficient merit.

5. All successful productions shall be the property of the University, and be at the disposal of the Senate.

LEWIS.

Value, \$25. Given for the best lecture on Luke XII, 16-21 inclusive. Open to students of Theology registered in session 1889-90 or preceding session.

M'BEAN.

Value, \$25. Given by A. G. McBean, B.A., Montreal, for the best Essay on "The principle of Evolution in its application to Ethics."

GOWAN.

Value, \$24. Given by the Honourable Senator Gowan, LL.D., for the best Essay on the "Function of Capital in Modern Industry."

GOWAN.

Value, \$25. Given by the Honourable Senator Gowan, LL.D., for "The best collection of Canadian Plants."

LATIN AND GREEK PROSE COMPOSITION.

Two prizes, each of the value of \$10 in books, open to students of the present or preceding session, are offered for competition for the best composition in Latin and Greek prose respectively. Subjects for composition, 1889-90:—Latin Prose, Burke's Speeches, Nabob of Arcot's Debts, to "the delirium of the last session."

Greek Prose, Grote's History of Greece, Chapter L., from "That orator coming forward" to "Security of Athens."

THORBURN.

Value, \$40. Given by John Thorburn, Esq., M.A., LL.D., for the best history of the County of Renfrew—the history to contain details of such matters as the original characteristics, struggles, etc., of the first settlers; the rise and progress of municipal institutions, mechanics' institutions, benevolent, industrial and other establishments, newspapers, etc.; the first churches, schools, etc.; the development of agricultural and mineral resources; and events of a general character by which the country may have been particularly affected. *Any person may compete.* Competitive papers must be in the hands of the Registrar, Rev. George Bell, LL.D., not later than the 15th February. The successful history, or a copy of it, shall be placed in the archives office at Ottawa.

MEDALS.

Candidates for medals are required at their final examination to take all the honour papers in the work of the department in which the medal is awarded. No medal will be awarded to any candidate who fails to obtain three-fourths of the whole number of marks.

THE PRINCE OF WALES' GOLD MEDAL IN CLASSICS.

For the best examination on the honour work in Latin and Greek.

THE MAYOR'S GOLD MEDAL IN MATHEMATICS.

For the best examination on the honour work in Mathematics.

THE CHANCELLOR'S GOLD MEDAL IN ENGLISH LANGUAGE AND LITERATURE.

Given by the Chancellor for the best examination on the honour work, with an essay on "The Literature of

the 18th century, its general character and special developments."

PRINCE OF WALES' SILVER MEDAL IN MODERN LANGUAGES.

For the best examination on the honour work in French and German.

PRINCE OF WALES' SILVER MEDAL IN NATURAL SCIENCE.

For the best examination on the honour work in Natural Science.

THE CHANCELLOR'S SILVER MEDAL IN POLITICAL SCIENCE.

For the best examination on the honour work in Political Science.

THE CHANCELLOR'S SILVER MEDAL IN CHEMISTRY.

For the best examination on the honour work in Chemistry.

THE CHANCELLOR'S SILVER MEDAL IN HISTORY.

For the best examination in the honour work in History.

PRINCE OF WALES' SILVER MEDAL IN CLASSICS.

For the candidate who stands second in the examination on the honour work in Latin and Greek.

LIST OF STUDENTS.

SESSION 1888-9.

IN ARTS.

Those marked with an asterisk are Students for the Ministry of the Presbyterian Church of Canada.

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
Anglin, Francis R..	1	Kingston.....	Kingston C. I.
Anglin, Sara E....	1	Kingston.....	Kingston C. I.
Argue, Andrew W.	1	Stittsville	Almonte H. S.
Arthur, Colin C....	2	Consecon	Trenton H. S.
Asselstine, David P.	3	Kingston.....	Kingston C. I.
Asselstine, Fran, M.	1	Odessa	Whitby Ladies' Coll.
Baker, Hattie M....	2	Kingston.....	Louise Sch., Kingston.
Baker, Herbert W.	2	Kingston Tp....	Trenton H. S.
Beattie, John A....	2	Barnett.....	Fergus & Kingston C.I.
*Bell, John.....	3	Peterboro.....	Peterboro C. I.
Bethune, Alexander	3	Wingham.....	U. C. College.
Beveridge, Alice B.	1	Portland, Me....	Private.
*Binnie, James....	4	Durham	Collingwood C. I.
*Black, John A....	2	Warkworth	Campbellford H. S.
Bolton, Eliza.....	1	Bolton.....	Private.
Bowerman, John T	4	Ottawa	{ Albert College and Tor. Normal School
*Boyd, John D....	4	Alexandria.....	St. Catharines C I.
Boyle, Joseph.....	2	Gananoque.....	Sydenham H. S.
Boyle, Thomas....	2	Gananoque.....	Sydenham H. S.
Bradley, Gordon F.	3	Lansdowne.....	Gananoque H. S.
Breuls, Ira D.....	2	Sydenham	Collingwood C I.
Bristol, Emily F... 3	3	Napanee.....	Napanee H. S.
Britton, Lulu.....	1	Kingston.....	
Brokenshire, John.	2	Kingston.....	Private.
Brokenshire, W. H.	4	Kingston.....	Kingston C. I.
Brough, Thomas A.	2	Ottawa	Elora H. S.
Brown, Fred M....	4	Cataraqui.....	Kingston C. I.
Brown, J. G. W... 4	4	Charlottetown...	Prince of Wales Coll.
Bruce, Edward W.	4	Toronto.....	Collingwood C. I.
Burger, Charles M.	3	Hudson, Que....	Napanee H. S.
Burns, Clement B..	4	Halifax.....	Halifax H. S.
Burns, Samuel S... 4	4	Navan.....	Public School.

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
*Byers, Robert P..	1	Gananoque.....	Gananoque H. S.
Callaghan, Etta....	1	Kingston.....	
Camelon, John M..	4	Maple.....	Richmond Hill H. S.
*Cameron, Donald..	2	Glen William, P.E.I.	Prince of Wales Coll.
Cameron, James G..	1	Manion.....	Perth C. I.
Campbell, Annie G.	2	Perth.....	Perth C. I.
Campbell, P. McG.	1	Admaston	Renfrew H. S.
Carmichael, N. R..	3	Strange.	Orillia H. S.
*Cattanach, James.	5	Williamstown ...	Williamstown H. S.
Chambers, Mary M.	2	Wolfe Island....	Kingston C. I.
Chown, Alice A....	2	Kingston.....	Kingston C. I.
Chown, Stanley T..	4	Kingston.....	Kingston C. I.
*Cochrane, James B	3	Kingston.....	Kingston C. I.
Connell, Jessie C..	1	Dundas.....	Dundas H. S.
Cooke, John, B.A..	5	Cataraqui... ..	Graduate.
Copeland, George T	4	Cornwall	Cornwall H. S.
Cowley, Robert H.	4	Ottawa.....	Normal School, Tor.
Cunningham, A. B.	2	Kingston.....	Kingston C. I.
Curle, William....	4	Campbellford ...	Campbellford H. S.
Curtis, Guy.....	3	Delta	Albert College.
*Daly, Charles H..	3	Peterboro.....	Peterboro C. I.
*Davis, William H.	1	Oella, Maryland.	Philadelphia H. S.
Denaut, Harry D..	1	Delta	Delta P. S.
Donovan, Mary....	1	Elginburg.....	Sydenham.
Downing, Joseph..	2	Kingston.....	Kingston C. I.
*Drummond, D. R.	4	Almonte	Almonte H. S.
Dyde, George E....	4	Kingston	Kingston C. I.
Easterbrook, J. W.	1	Tweed.....	Kingston C. I.
Easton, William H.	1	Easton's Corners.	Smith's Falls H. S.
Echlin, Edmund B.	4	West Flamboro..	Dundas H. S.
Edwards, John W.	3	Inverary.....	Sydenham H. S.
Eldridge, Gardner S	1	Kingston.....	Graduate.
Elliot, John.....	2	Holyrood	Private.
Elliot, Walter H...	2	Hamilton	
Etherington, E. J..	2	Brockville	Gananoque H. S.
*Falconer, John P.	4	Sydney, C. B....	Sydney Acad.
Farrell, James M..	4	Kingston.....	Kingston C. I.
Farrell, T. Harry..	4	Kingston.....	Kingston C. I.
Fenwick, Arthur M	3	Kingston.....	Kingston C. I.
*Findlay, Jno, M.A.	6	Cataraqui.....	Graduate.
*Finlayson, R. A..	1	N. E. Margaree, C.B.	Pictou Academy.
*Fitzpatrick, Alfred	5	Pictou, N. S....	Pictou Academy.
Fowler, Jennie....	3	Kingston.....	Kingston C. I.
*Fraser, John.....	2	Big Bras d'Or...	Pictou Academy.
Gahan, Percy A....	2	Windfall.....	London C. I.

Name.	Year of Atten- dance.	Summer Residence	Where Educated.
*Gallup, Eleazar C.	1	Ottawa	Ottawa C. I.
Gamble, William...	2	St. Henri	Lachine Model School.
*Gandier, D. McG.	2	Fort Coulonge...	Kingston C. I.
Gibson, James C...	1	Kingston.....	Kingston C. I.
Gibson, Sara.....	1	Kingston.....	Private.
Gillies, John S....	3	Carleton Place...	Carleton Place H. S.
Gillies, William F..	2	Carleton Place...	Carleton Place H. S.
Gordon, Sidney W.	1	Glenvale.....	Dom. Business College.
*Graham, Archib'd	3	Menie.....	Campbélford H. S.
Grange, William A.	1	Napanee.....	Napanee H. S.
Griffin, E. Scott....	5	Kingston.....	Kingston C. I.
Hamilton, Chas. F.	3	Stirling	Campbellford H. S.
*Hamilton, D. A...	3	Harriston	Harriston H. S.
Hamilton, John C..	2	Smith's Falls....	St. Catharines C. I.
Harkness, Jeff. D..	1	Kingston.....	Picton H. S.
Hay, Arthur G.....	4	Pinkerton	St. Catharines C. I.
Hayes, William J..	3	Glen Buell	Farmersville H. S.
Heap, Frederick...	3	Lindsay.....	Lindsay H. S.
Henderson, N. R...	2	Kingston.....	Kingston C. I.
*Hodges, James....	3	Forrester's Falls.	Ballymoney Institute.
Horne, Janet.....	3	Wolfe Island....	Kingston C. I.
Horsey, Harold J..	1	Kingston.....	Private.
*Hunter, Hugh A...	1	Smith's Falls....	Farmersville H. S.
Hunter, Robert F..	1	Smith's Falls....	Farmersville H. S.
Hugo, Frank M....	1	Kingston.....	Kingston C. I.
Ireland, F. A. W...	2	Chatham, Ont....	Chatham C. I.
Jewett, Albert E...	3	Campbellford....	Lindsay H. S.
Johnston, Margaret	1	Kingston.....	Kingston C. I.
*Kelloch, John McC	1	Spencerville....	Kemptville H. S.
King, Francis.....	4	Kingston.....	Kingston C. I.
King, Mary A.....	1	Kingston.....	Kingston C. I.
Kirkpatrick, C. S..	1	Kingston.....	U. C. College.
Kirkpatrick, F. G..	2	Kingston.....	Tr. Coll. Sch., Pt. Hope
Lamont, John.....	4	Marsden, Que...	St. Catharines C. I.
Lavell, Alfred E...	2	Portsmouth.....	Kingston C. I.
Leary, Joseph L...	2	Toronto.....	Tor. & Aylmer H. S.
Lees, Richard.....	3	Brampton	Private.
*Leitch, James A...	2	Renfrew.....	Renfrew H. S.
Lett, Ralph M.....	5	St. Thomas.....	Cobourg C. I.
Lockhart, Thos. J.	2	Kingston	Sydenham H. S.
Lowe, George R...	1	Cobden	Carleton Place H. S.
Madden, John H...	4	Delta.....	Farmersville H. S.
Mahood, Perry	4	Kingston.....	Kingston C. I.
Markle, Jacob H...	3	Paris	Dundas H. S.
Marquis, Thos. G..	6	Chatham, N.B..	Chatham H. S.

Name.	Year of Atten. dance.	Summer Residence.	Where Educated.
Marty, Sophie E...	1	Mitchell	Strathroy H. S.
*Maxwell, John...	2	Alton	Orangeville H. S.
*Menzies, Alex. D.	1	Glen Tay	Perth C. I.
*Millar, John.....	3	Kincardine	Kincardine H. S.
Mills, John H.....	4	Lindsay	Lindsay H. S.
Minnes, Robert S..	4	Kingston.....	Kingston C. I.
Mowat, E. Lillian..	2	Kingston	Private.
Mowat, H. E.....	2	Kingston	Private.
*Muirhead, Jno. W.	4	Brockville	Brockville H. S.
Murray, Minnie....	1	Kingston	Kingston C. I.
McArthur, Bessie..	1	Kingston	Private.
McCammon, F. J..	4	Kingston	Kingston C. I.
McCuaig, John A..	3	Kingston	Kingston C. I.
*McDonald, D. D..	4	Williamstown...	St. Catharines C. I.
McDonald, Hugh S.	2	Kingston	Kingston C. I.
McDonald, Nerva..	3	Kingston	Kingston Model School
McDonald, James..	1	Glen Donald	Williamstown H. S.
*MacFarland, J. F.	5	Birmingham ...	Kingston C. I.
McJanet, John.....	2	Ottawa	Ottawa C. I.
McJanet, Thomas..	2	Ottawa	
McKelvey, Robert J	3	Kingston	Kingston C. I.
*McKenzie, A., B.A	5	Tiverton	Kincardine H. S.
*McIntyre, A. B...	2	Pakenham	Renfrew H. S.
*MacLennan, A. K.	3	MiddleRiver,C B.	Pictou Academy.
*MacLennan, N. K.	1	MiddleRiver,C B.	Sydney Academy.
*MacLennan, D. L..	2	Kincardine	Kincardine H. S.
*MacLeod, P.A., B.A	6	Dundas, P.E.I...	
McManus, Emily ..	1	Bath	Kingston C. I.
MacMillan, Marg'et	1	Kingston.....	Mount Forest H. S.
McMullen, Robert.	1	Mount Forest ...	Mount Ferest H. S.
*McNaughton, Alex	1	Gananoque.....	Gananoque H. S.
*McMaughton, A. K	3	The Ridge, Ont.	Pictou Academy.
*McPhail, Donald G	4	McPhail	Perth C. I.
Macpherson, Jean W	1	Kingston.....	Kingston C. I.
*McPherson, Neil..	3	Bowmanville....	Bowmanville H. S.
McPherson, N. A..	4	Lancaster	Williamstown H. S.
*McRae, F. A.	1	Gamebridge.....	Orillia H. S.
*McRae, Philip K..	1	North River,C.B.	Sydney Academy.
McRossie, Hattie...	2	Kingston.....	Kingston C. I.
Nesbit, David A...	3	Pakenham	Private.
Newlands, W. A...	1	Kingston.....	Private.
Newman, Geo. E...	1	Leamington.....	Strathroy C. I.
Nickle, Wm. F.....	2	Kingston.....	Kingston C. I.
Nicol, Jennie.....	1	Cataraqui.....	Kingston C. I.
O'Connor, Charles.	4	Ottawa	Ottawa C. I.

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
O'Connor, Edw'd J.	1	Ottawa	Ottawa C. I.
O'Shea, James. . . .	2	Kingston.	Albert College.
Parlow, Edwin D. . .	1	Iroquois	Private.
Parmelee, Geo. W. . .	4	Montreal.	McGill Normal School.
*Patterson, W. J. B. A	5	Maxwell	Collingwood C. I.
*Phalen, Ronald M. .	4	Cape Breton	Pictou Academy.
Pope, Frederick J. . .	3	Elginburg	Sydenham H. S.
Porteous, Douglas C .	2	Toledo.	Kingston C. I.
*Potter, James G. . .	5	Halifax.	Halifax H. S.
Powell, George K. . .	3	Toronto	Private.
Purdy, Victor M. . . .	1	Sydenham	Sydenham H. S.
*Reddon, John A. . . .	5	Mildmay.	Owen Sound H. S.
Reid, Etta A.	1	Williamsville	Kingston C. I.
Richardson, W. W. . .	2	Seeley's Bay	Sydenham H. S.
Robertson, Alex. C. . .	1	Madoc	Kingston C. I.
Robertson, H. N. . . .	1	Kingston.	Woodstock Coll.
Robertson, S. G. . . .	3	Bath.	Kingston C. I.
Robinson, Rob't R. . .	2	Consecon	Picton H. S.
Roddick, James A. . .	2	Lyndhurst	Farmersville H. S.
*Rollins, James. . . .	2	Cooper.	Campbellford H. S.
Ross, A. H. D., B.A. . .	5	Kingston.	Kingston C. I.
Ross, Arthur E.	1	Cobden	Renfrew H. S.
Ross, Mary H.	1	Kingston.	Private.
*Russell, Ernest H. . .	4	Douglastown.	Chatham (N.B.) H. S.
Ryerson, Edward. . . .	1	Orillia	Orillia H. S.
Sanderson, Jos. H. . . .	1	Peterboro.	Peterboro C. I.
*Scott, John F.	3	Eversley	Newmarket H. S.
*Scott, Thomas B. . . .	5	Belleville	Belleville H. S.
*Sharp, John.	4	Wilberforce.	Private.
Shenick, Adeline. . . .	1	Ottawa	
Shibley, Laura.	3	Kingston	Kingston C. I.
*Shurie, Josiah S. . . .	4	Trenton.	Trenton H. S.
*Sinclair, John A. . . .	4	Carleton Place. . . .	Almonte H. S.
Smellie, James F. . . .	3	Brockville	Lincoln Coll., Sorel.
Smith, James H.	2	Ridgetown.	Private.
Smith, Thomas C. . . .	2	Renfrew.	Collingwood C. I.
Snell, Joseph.	4	Dromore.	Collingwood C. I.
Sparling, John K. . . .	1	Kingston	Kingston C. I.
*Sproul, Nath. J. . . .	3	Orangeville	Orangeville H. S.
Stewart, James A. . . .	1	Renfrew.	Renfrew H. S.
Stewart, William R. . .	2	Notre Dame de L. . . .	Ottawa C. I.
Stothers, Robert. . . .	3	Ottawa	Private.
*Strachan, Daniel. . . .	4	Rockwood	Rockwood Academy.
Sullivan, D. Vincent . .	3	Kingston	Kingston C. I.
Summerby, W. J. . . .	4	Russell	Normal Sch., Toronto.

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
*Taylor, John A...	3	Blyth	Goderich H. S.
Telgmann, H. B...	2	Kingston	Private.
Thompson, T. J...	2	Kingston	Jordan Academy, N. Y
Turner, John B...	4	Hamilton	Hamilton C. I.
Twitchell, M. C...	2	Kingston	Kingston C. I.
Ventresse, Amon B.	2	Bobcaygeon	Peterboro' C. I.
Walker, Thomas L.	2	Kingston	Orangeville H. S.
Walkinshaw, Wm.	3	Campbellford ...	Campbellford H. S.
Webster, Ben. E...	1	Kingston	Kingston C. I.
Webster, Charles R.	2	Kingston	Kingston C. I.
Wheeler, James W.	1	Wolfe Island....	Ottawa College.
White, James W...	5	Branchton	Brantford C. I.
White, Lizzie R...	1	Toronto	Kingston C. I.
*Wilkie, William D.	2	Carleton Place..	Carleton Place H. S.
Wilson, Caroline L. M	3	Kingston	Kingston C. I.
Wilson, Frances E. M	1	Kingston	Private.
Wrenshall, Hattie..	1	Kingston	Private.
Wright, Josephine.	1	North Bay	Kingston C. I.
Yeomans, P. H....	1	Mount Forest ...	Mount Forest H. S.
Young, Robert....	3	Trenton.....	Trenton H. S.
Young, William R.	4	Wellington	
Yourex, Edmund L.	2	Kingston	Kingston C. I.

IN THEOLOGY.

Name.	Year of Atten- dance.	Residence.
Bennett, Orr, B.A.....	3	Peterboro.
Bryan, George J., B.A.....	2	Kingston.
Cameron, Charles J., M.A.....	3	Kingston.
Campbell, Charles A.....	2	Smith's Falls.
Cattanach, James.....	1	Williamstown.
Cornett, William H., B.A.....	2	Gananoque.
Cosgrove, Thomas A., B.A.....	2	Millbrook.
Fitzpatrick, Alfred.....	1	Pictou, N.S.
Fleming, David, B.A....	3	Halifax.
MacFarland, J. F.....	1	Birmingham.
McDonald, John A., B.A.....	1	Blakeney.
McFayden, A. L., B.A.....	2	Kingston.
McKay, N. T. C.....	2	Summerstown.
McKenzie, Archibald, B.A.....	1	Tiverton.
McKinnon, John, B.A.....	3	Belfast, P.E.I.
McLeod, Peter A., B.A.....	2	Dundas, P.E.I.
McNaughton, Alexander K.....	1	The Ridge, Ont.
Patterson, W. J., B.A.....	1	Maxwell.
Potter, James G.....	3	Halifax.
Rattray, James, B.A.....	2	Portsmouth.
Reddon, John A.....	1	Mildmay.
Ross, Hugh.....	1	Uxbridge.
Scott, Thomas B., B.A.....	1	Belleville.
Scott, Thomas R., B.A.....	1	Aurora.
Sturgeon, Robert J., B.A.....	2	Bradford.
Walker, Edward J., B.A.....	2	Montreal.
Whiteman, Richard, B.A.....	3	Teeswater.
Wright, John J., B.A.....	3	Peterboro.

IN MEDICINE.

STUDENTS OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS.

Name.	Year of Atten- dance.	Residence.
Adams, J.....	5	Kingston.
Adamson, Herbert A.....	1	Ottawa.
Allen, Thomas G., B.A.....	2	Brockville.
Ashley, Edwin.....	3	Pittserry.
Balfe, Thomas H.....	1	Smith's Falls.
Barber, Albert E.....	1	Farmersville.
Belch, John A.....	4	Kingston.
Bell, John H.....	2	Kingston.
Bermingham, F. H.....	1	Kingston.
Bourns, Thomas C.....	1	Addison.
Bourns, William H.....	1	Addison.
Brady, James.....	2	Kingston.
Buchanan, H. M.....	4	Kemptville.
Camelon, Thomas P.....	3	Maple.
Cameron, John H.....	1	Arnprior.
Cameron, William A.....	3	Perth.
Campbell, Joseph S.....	2	Deseronto.
Campbell, J. W.....	2	Kingston.
Carmichael, Andrew.....	2	Spencerville.
Channonhouse, R. C.....	3	Eganville.
Chown, Albert P.....	4	Kingston.
Clerihew, Ernest M.....	4	Brockville.
Cloutier, Felix.....	4	Montreal.
Coldwell, Robert A.....	2	Shannonville.
Cook, Wesley A.....	2	Archer.
Coon, Darius A.....	3	Elgin.
Cunningham, David.....	3	Kingston.
David, William C.....	4	Gananoque.
Davis, Sidney.....	2	York, Ont.
Denaut, Henry D.....	1	Delta.
Dixon, John W.....	2	Greenbush.
Douglass, Harry E.....	1	Napanee.
Drinnan, John K.....	2	Medicine Hat.
Drummond, Peter.....	4	Almonte.
Duff, John.....	4	Inverary.
Dupuis, Eugene L.....	5	Kingston.
Earl, William M.....	3	West Winchester.
Easterbrook, John W.....	1	Tweed.
Echlin, Edmund B.....	1	Copetown.

Name.	Year of Atten- dance.	Residence.
Elliot, Arthur R.....	4	
Emery, George F.....	4	Port Hope.
Emmons, John.....	2	Shannonville.
Empey, William A.....	2	West Winchester.
Fitzpatrick, James.....	2	Belleville.
Foley, Ignatius J.....	2	Westport.
Fowkes, John T.....	3	Winchester Springs.
Freeland, Anthony M.....	4	Quebec.
Gandier, Augustine.....	3	Fort Coulonge.
Gardiner, Robert J.....	2	Seeley's Bay.
Gardiner, Sydney H., B.A.....	3	Kingston.
Genge, William W.....	2	Wolfe Island.
Gibson, James C.....	1	Atwood.
Gibson, James F.....	2	Kingston.
Goold, Arthur J., B.A.....	4	Kingston.
Graham, H. C. W.....	5	Portsmouth.
Grant, Norman M.....	4	Stellarton.
Gray, William A.....	3	Elliot.
Green, Samuel D.....	2	Arnprior.
Guillot, Harry C.....	1	
Haig, Andrew, B.A.....	1	Menie.
Hare, William G.....	1	Iroquois.
Harkness, Fred. B.....	4	Kingston.
Harrison, Edgar D.....	2	Pictou.
Harvie, William D.....	4	Galt.
Hayunga, George.....	2	Morrisburg.
Herald, Dundas.....	2	Medicine Hat.
Herald, Wilson.....	4	Medicine Hat.
Hilker, Adam E.....	4	Port Elgin.
Holdcroft, Joseph.....	4	Tweed.
Holdcroft, William T.....	2	Tweed.
Johnson, W. H.....	4	
Johnston, William J.....	2	Kingston.
Jones, Alfred W.....	1	Kingston.
Jones, Clarence P.....	2	Kingston.
Keene, Walter B.....	1	Rhode Island.
Kelly, John J., B.A.....	2	Bell's Corners.
Kemp, John W.....	1	Hazledean.
Kennedy, John T.....	2	Owen Sound.
Kidd, William E.....	2	Kingston.
Lanfear, Henry O.....	4	Newburgh.
Lavers, Frank C.....	1	Georgetown, P.E.I.
Lent, Edwin J.....	1	Pictou.
Little, W. C.....	4	
Lockhart, A. J.....	1	Kingston.

Name.	Year of Atten- dance.	Residence.
Lockhart, George D.....	3	Sydenham.
Melville, Edmond J....	2	Howe Island.
Miller, John C. S.....	3	Seattle, Wash. Ter.
Mitchell, Charles F.....	3	Kingston.
Mitchell, Harry.....	4	Kingston.
Moore, John.....	1	Kingston.
Morgan, Edward M.....	3	Renfrew.
McAmmond, John F.....	5	Easton's Corners.
McCammon, F. J.....	1	Kingston.
Mackey, Thomas E.....	2	Kemptville.
McColl, Allan E., B.A.....	2	Campbellford.
McCuaig, John E.....	1	Kingston.
McLean, Ernest H.....	2	Kingston.
McLellan, James A.....	1	Economy, N.S.
MacIennan, D. N.....	2	Port Hope.
McGrath, Michael E.....	4	Sunbury.
McKenty, James.....	3	Kingston.
McKillop, James.....	4	Beachburg.
McNamee, George.....	1	Kingston.
Macnee, J. Edwin.....	2	Perth.
McPherson, W. A.....	3	Prescott.
Mavety, Alexander.....	4	Railton.
Neish, George J.....	3	Port Royal, Jamaica.
Neish, James.....	1	Port Royal, Jamaica.
Nicholson, Malcolm.....	4	Springton, P.E.I.
Northmore, Harold S.....	4	Cataraqui.
Ogilvie, James A.....	2	Kingston, Jamaica.
Oldham, E. H.....	2	Kingston.
Oldham, John H.....	1	Kingston.
Oronhyatekha, W. A. H.....	1	Deseronto.
Parkyn, Herbert A.....	2	Sarnia.
Patterson, James A.....	4	Tiverton.
Patterson, John N.....	2	Greenbush.
Phelan, Leopold, B.A.....	3	Kingston.
Pirie, Henry H., B.A.....	2	Dundas.
Porter, Thomas J.....	1	Picton.
Rankin, William H.....	4	Collinsby.
Raymonde, Nelson.....	2	Kingston.
Reid, John D.....	2	Cardinal.
Robertson, Andrew.....	4	
Robinson, Andrew.....	5	New Boyne.
Robinson, Edward B.....	2	
Ryan, Edward, B.A.....	3	Kingston.
Ryan, Michael D.....	2	Oates.
Sands, Ernest.....	4	Sunbury.

Name.	Year of Atten- dance.	Residence.
Scott, Thomas B., B.A.....	1	Belleville.
Scott, William H. S.....	3	Southampton.
Scott, William J.....	2	Renfrew.
Shannon, John R., B.A.....	3	Kingston.
Snider, Elias T.....	4	Odessa.
Spankie, James E.....	2	Kingston.
Stackhouse, Alex.....	2	Kingston.
Stephens, N. T.....	1	
Stephens, Nathaniel.....	1	Athens.
Stitt, Frank.....	3	
Stuart, William A., B.A.....	2	Bainsville.
Sullivan, D. V.....	1	Kingston.
Suter, Joseph C.....	2	Carleton Place.
Switzer, Frank L.....	1	Carleton Place.
Taplin, Albert E.....	3	Farmersville.
Thompson, William B.....	2	Kingston.
Tilman, Harry G.....	4	Kingston, Jamaica.
Todd, Samuel G.....	3	Kingston.
Tuttle, Henry E.....	1	Iroquois.
Valleau, Arch. J.....	2	Selby.
Walker, Stanley R.....	4	Wilton.
Watts, Asa O.....	3	Merrickville.
Watts, Edward	3	Wolfe Island.
Wheeler, James W.....	1	Wolfe Island.
White, James W.....	1	Branchton.
Wilson, Samuel.....	1	Perth.
Wood, Isaac, B.A.....	1	Kingston,

STUDENTS OF THE WOMEN'S MEDICAL COLLEGE.

Name.	Year of Atten- dance.	Residence.
Bennett, Laura B.....	1	Windsor, N.S.
Bermingham, Mary E.....	2	Kingston.
Brown, Annie L.....	1	Chatham, N.B.
Brown, Minnie.....	3	Fingal.
Demorest, Clara.....	3	Napanee.
Fraser, Wilhelmina G.....	3	St. Elmo.
Funnell, Rozelle V. M.....	3	Kingston.
Givens, Alice A.....	4	Kingston.
Henderson, Mabel E.....	1	Brockville.
Jamieson, Alison.....	1	Wicklow.
Leavitt, Minnie.....	3	East Hatley.
Murray, Janet.....	2	Rossmore.
McCallum, Mary.....	2	Detroit, Mich.
McConville, Isobel.....	4	Kingston.
McKellar, Maggie.....	3	Ingersoll.
O'Hara, Margaret.....	2	Smith's Falls.
Ritchie, Octavia G., B.A.....	1	Montreal.
Scott, Lizzie.....	2	Belleville.
Sinclair, Jennie V.....	2	Madoc.
Skinner, Nellie St. G.....	2	Hamilton.
Steen, Henrietta.....	1	Farran's Point.
Turnbull, Agnes M.....	1	St. Louis de Gonzague
Walker, Hattie.....	3	Pittserry.
Weir, Janet M.....	2	Merrickville.

MEDALS, PRIZES AND SCHOLARSHIPS

FOR 1888-9.

<i>Prince of Wales' Gold Medal in</i>	
<i>Classics</i>	Drummond, D. R., Almonte.
<i>Prince of Wales' Silver Medal in</i>	
<i>Classics</i>	Dyde, G. E., Kingston.
<i>Chancellor's Gold Medal in Mathe-</i>	
<i>matics</i>	Minnes, R. S., Kingston.
<i>The Mayor's Gold Medal in Philos-</i>	
<i>ophy</i>	McLeod, P. A., Prince Ed. Is'd.
<i>Prince of Wales' Silver Medal in</i>	
<i>Chemistry</i>	Walker, T. L., Kingston.
<i>Silver Medal in Political Economy</i>	Patterson, W. J., Maxwell
<i>Prince of Wales' Silver Medal in</i>	
<i>Natural Science</i>	Bowerman, J. T., Ottawa.
<i>Gold Medal in Medicine</i>	Harkness, F. B., Kingston.
<i>Silver Medal in Medicine</i>	Elliot, A. R.
<i>McPherson Prize</i>	McLeod, P. A., Prince Ed. Is'd
<i>Gowan Prize</i>	Walker, T. L., Kingston.
<i>Lewis Prize</i>	Reddon, J. A., Mildmay.

SCHOLARSHIPS IN ARTS.

1. SESSIONAL SCHOLARSHIPS.

<i>Foundation Scholarship in Latin</i> ..	Campbell, A. G., Perth.
“ “ <i>Greek</i> ..	Roddick, J. A., Lyndhurst.
“ “ <i>English Lit.</i>	King, M. A., Kingston.
“ “ <i>Philosophy</i>	Heap, F., Lindsay.
“ “ <i>Physics</i>	Chown, S., Kingston.
<i>Nickle Scholarship in Nat. Science</i>	King F., Kingston.
<i>Catarauqui</i> “ “ <i>History</i>	{ Shibley, L., Kingston.
	{ Farrell, J. M., “
<i>St. Andrew's Church, Toronto,</i>	
<i>Scholarship in Greek (close)</i> ..	Davis, W. H., Oella, Md.
<i>Glass Memorial in Mathematics</i>	
<i>(close)</i>	Hunter, H. A., Smith's Falls.

2. MATRICULATION SCHOLARSHIPS.

<i>Mackerras Memorial in Classics...</i>	{ Argue, A. W., Almonte.
<i>Leitch Memorial in Mathematics...</i>	King, M. A., Kingston.
<i>Gunn Scholarship for General Pro-</i>	Hunter, H. A., Smith's Falls.
<i>ficiency.....</i>	Ryerson, E., Orillia.
<i>Watkins Scholarship for General</i>	
<i>Proficiency (limited to Kingston</i>	
<i>Coll. Inst.).....</i>	Reid, E., Kingston.
<i>Mowat Scholarship in Arithmetic..</i>	Campbell, P. McG., Renfrew.
<i>M. C. Cameron Scholarship in</i>	{ McLennan, A. K., C. Breton.
<i>Gaelic.....</i>	{ Cameron, D., P. E. Island.
<i>Senate Scholarships for General</i>	
<i>Proficiency.....</i>	Campbell, P. M., Admaston.
	Stewart, J. A., Renfrew.
	Gibson, J. C., Kingston.
	Nicol, J., Kingston.

SCHOLARSHIPS IN THEOLOGY.

1. SESSIONAL SCHOLARSHIPS.

<i>Anderson Scholarship in First Year</i>	{ McKenzie A., B.A.
<i>Divinity.....</i>	{ Scott, T. B., B.A.
<i>Anderson Scholarship in Second</i>	
<i>Year Divinity.....</i>	Cornett, W. H., B.A.
<i>Anderson Scholarship in Third</i>	
<i>Year Divinity.....</i>	Wright, J. J., B.A.
<i>McLennan Scholarship in Church</i>	
<i>History.....</i>	Cosgrove, G. A., B.A.
<i>Toronto Scholarship in Second Year</i>	
<i>Hebrew.....</i>	Campbell, C. A.
<i>Toronto Scholarship in Third Year</i>	
<i>Hebrew.....</i>	McKinnon, J., B.A.
<i>Rankine Scholarship in Apologetics.</i>	McLeod, P. A., B.A.
<i>Spence Scholarship for General Pro-</i>	
<i>ficiency.....</i>	Rattray, J., B.A.

2. MATRICULATION SCHOLARSHIPS.

<i>Dow Scholarship.....</i>	Scott, T. B., B.A.
<i>Buchan Scholarships.....</i>	{ Scott, T. R., B.A.
	{ McKenzie, A., B.A.

LIST OF GRADUATES FOR 1888-9.**DOCTOR OF LAWS (LL.D.)**

Rev. Ebenezer E. Jenkins, M.A.....	London.
Edward Charles Robson Roose, M.D.....	London.
William Kingsford, C.E.....	Ottawa.

BACHELOR OF DIVINITY (B.D.)

Rev. Jacob Steele, B.A.....	Seymour.
John McKinnon, B.A.....	Prince Edward Island.

MASTER OF ARTS (M.A.)

J. McKinnon, B.A.....	Prince Edward Island.
T. G. Allen, B.A.....	Brockville.
A. Haig, B.A.....	Menie.
W. T. McClement, B.A.....	Kingston.
O. L. Kilborn, B.A.....	Toledo.
A. H. D. Ross, B.A.....	Kingston.
J. Marshall, B.A.....	Kingston.

BACHELOR OF ARTS (B.A.)

Binnie, James.....	Durham.
Boyd, John D.....	Alexandria.
Cattanach, James.....	Williamstown.
Chown, Stanley T.....	Kingston.
Copeland, George T.....	Cornwall.
Cowley, Robert H.....	Ottawa.
Curle, William.....	Campbellford.
Drummond, Daniel R.....	Almonte.
Dyde, George E.....	Kingston.
Echlin, Ed. B.....	West Flamboro.
Falconer, John P.....	Cape Breton.
Farrell, James M.....	Kingston.
Farrell, Thomas H.....	Kingston.
Griffin, E. Scott.....	Kingston.
Hay, Arthur G.....	Pinkerton.
King, Francis.....	Kingston.
Lett, Ralph M.....	St. Thomas.
Madden, John H.....	Delta.
Mahood, Perry S.....	Kingston.
Mills, John H.....	Lindsay.
Minnes, Robert S.....	Kingston.
McCammon, Fred. J.....	Kingston.
McPhail, Donald G.....	Perth.
Phalen, Rannie M.....	Cape Breton.

Reddon, John A.....	Mildmay.
Ross, A. H. D.....	Kingston.
Russell, E. Howard.....	Douglastown.
Shurie, Josiah.....	Trenton.
Strachan, Daniel.....	Rockwood.
Stuart, W. A.....	Lancaster.
Turner, John B.....	Hamilton.

DOCTOR OF MEDICINE (M.D.) AND MASTER OF SURGERY (C.M.)

House Surgeons—Third Year.

Macpherson, W. A.....	Prescott.
Gandier, Augustus.....	Fort Coulonge, Que.

Demonstrator of Anatomy.

McKenty, J.....	Kingston.
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First Year.

Wood, Isaac, B.A., silver medalist.....	Kingston.
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Finals M.D., C M.

Harkness, F. B., gold medal.....	Kingston.
Elliott, Arthur R., silver medal.....	Belleville.
Belch, John A.....	Kingston.
Buchanan, H. M.....	Kemptville.
Campbell, A. L.....	Belleville.
Chanonhouse, R. C., B.A.....	Eganville.
Cloutier, Felix.....	Crysler.
David, W. C.....	Willetsholme.
Drummond, P.....	Almonte.
Duff, John.....	Inverary.
Emery, G. F.....	Gananoque.
Freeland, A.....	Quebec.
Gardiner, S. H., B.A.....	Kingston.
Grant, Norman, B.A.....	Stellarton, N.S.
Graham, H. C. W.....	Portsmouth.
Harvie, William D.....	Galt.
Hilker, Adam E.....	Port Elgin.
Holdcroft, Joseph.....	Tweed.
Johnstone, W. H.....	Kingston.
Kilborn, Omar L., B.A.....	Toledo.
Lanfear, Henry O.....	Newburg.
Little, W. C.....	Barrie.
Mavety, Alex. C.....	Railton.
McConville, Isobel.....	Kingston.

McGrath, Michael E.....	Sunbury.
McKillop, James T.....	Beachburg.
Northmore, Harold S.....	Cataraqui.
Patterson, James A.....	Port Elgin.
Rankin, W. H.....	Collinsby.
Robinson, Andrew.....	Kingston.
Sands, Ernest.....	Sunbury.
Snider, Elias T.....	Odessa.
Stewart, Alexander.....	Renfrew.
Tillman, H. G.....	Jamaica.
Walker, S. R.....	Wilton.

C. M.

H. H. Chown.....

PASS LISTS.

Arts.

I. SUPPLEMENTARY EXAMINATIONS, SEPTEMBER, 1888.

Junior Latin.

Jewett, A. E.	Copeland, G. T.
Wilkie, W. D.	Webster, C. R.
Kirkpatrick, F. G.	Nickle, W. F.
Boyle, J.	Rollins, J.
Markle, J. H.	Parlow, E. D.
Walker, T. L.	

Senior Latin.

Turner, J. B.	Reddon, J. A.
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Junior Greek.

Roddick, J. A.	Rollins, J.
Kirkpatrick, F. G.	Hodges, J.
Turner, J. B.	Baker, H. W.
Jewett, A. E.	Copeland, G. T.
Wilkie, W. D.	

Senior Greek.

Millar, J.	Binnie, J.
Cowley, R. H.	Marquis, T. G.

Junior English.

Campbell, A. G.
 Clune, E.
 McDonald, H. S.
 Roddick, J. A.
 Horne, J.
 Baker, H. M.

Bristol, E.
 Stuart, W. A.
 O'Shea, J.
 Nickle, W. F.
 Twitchell, M. C.

Senior English.

Hamilton, C. F.
 Shurie, J. S.
 Thompson, T. J.
 Arthur, C. C.
 Bradley, G. F.
 Walker, T. L.
 Fenwick, A. M.
 Gillies, J. S.
 McIntyre, A. B.
 Purdy, V. M.
 Sproul, N. S.
 McDonald.

Asselstine.
 Burns, C. B.
 Lees, R.
 Mahood, P.
 Nesbit, D. A.
 Ventresse, A. B.
 Robertson, S. G.
 Boyle, J.
 Brokenshire, J.
 Nelson, J.
 Stothers, R.

Junior Mathematics.

Roddick, J. A.
 Grange, W. A.

Leitch, J. A.

Junior Philosophy.

Brown, J. G. W.
 Brown, F. M.
 Turner, J. B.

White, J. W.
 Edwards, J. W.

Junior Physics.

Lees, R.
 Nesbit, D. A.
 Gillies, J. S.
 Marquis, T. G.

O'Connor, C.
 Burns, C. B.
 Thomas, H. P.

Senior Physics.

Ross, A. H. D.

History.

Burger, C. M.
 Daly, C. H.

McDonald, N.
 Young, W. R.

Natural Science.

Summerby, W. J.
Lees, R.

Walker, T. L.

Chemistry.

Jewett, A. E.
Elliot, J.
Gillies, J. S.
Lees, R.
Nelson, J.

Ventresse, A. B.
Dixon, J. W.
Robertson, S. G.
Kennedy, J. T.
Stothers, R.

Junior French.

Clune, E.

Horne, J.

Senior French.

Gillies, J. S.

Junior German.

Clune, E.
Gillies, J. S.

Porteous, D. C.
Burns, C. B.

II. SESSIONAL EXAMINATIONS—APRIL, 1888.

Junior Latin.

Heap, F.
Beveridge, Alice B.
Ryerson, E.
Connell, J. C.
Campbell, P. M.
McDonald, J. M.
Kirkpatrick, C. S.
Davis, W. H.
Nicol, J.
Newman, G. E.
Easton, W. H.
Stewart, J. A.
Murray, M.
Gibson, J. C.
Anglin, F. R.

Ross, A. E.
Sparling, J. K.
Byers, R. P.
Elliott, W. H.
Hunter, R. T.
McNaughton, A.
Gallup, E. C.
Hugo, J. M.
Reid, A.
Clune, E.
Purdy, V. M.
Hunter, H. A.
Maxwell, J.
O'Connor, E.

Senior Latin.

Campbell, A. G.	McDonald, H. S.
Roddick, J. A.	Rollins, J.
King, M. A.	Cameron, D.
Downing, J.	Sproul, N. J.
O'Shea, J.	Black, J. A.
Stewart, W. R.	Russell, E. H.
Argue, A. W.	Beattie, J. A.
Jewett, A. E.	Chambers, M. M.
Cunningham, A.	Twitchell, M. C.
Lavell, A.	McLennan, A. K.
Gillies, W. F.	Webster, C.
Wilkie, W. D.	Fraser, J.

Junior Greek.

Campbell, P. M.	Byers, R. P.
Ryerson, E.	Snell, J.
Connell, Jessie C.	McNaughton, A.
McDonald, J. M.	Sparling, J. K.
Davis, W. H.	Hayes, W. H.
Thompson, T. J.	McRae, F. A.
Ross, A. E.	Reddon, J. A.
Easton, W. H.	

Senior Greek.

Roddick, J. A.	Black, J. A.
Gandier, D. M. }	Sproul, N. J.
King, M. A. }	Beattie, J. A.
Argue, A. W.	Fraser, J.
Wilkie, W. D.	Leitch, J. A.
Kellock, J.	Phalen, R. M.
Cameron, D.	

Junior English.

Anglin, S. E.	Gallup, E. C.
Argue, A. W.	Gibson, J. C.
Callaghan, E.	*Gibson, S.
*Cameron, J. G.	Gillies, W. F.
*Campbell, P. M.	Henderson, N.
*Connell, J. C.	Horsey, H. J.
Cunningham, A. B.	Hugo, P. M.
*Davis, J.	Hunter, H. A.
Donovan, M.	Hunter, R. F.
Easton, W. H.	*King, M. A.

* Of exceptional merit.

*Lowe, G. R.
McArthur, B.
McDonald, James.
McLennan, N. K.
*McManus, E.
McRae, F. A.
Maxwell, J.
Menzies, A. D.

*Reid, E.
Ross, A. E.
Ryerson, E.
Sparling, J. K.
Stewart, J. A.
White, L. R.
Wrenshall, H.
Wright, J.

Senior English.

*Baker, H. M.
*Baker, H. W.
Beattie, J.
Black, J. A.
Breuls, J. D.
Edwards, J. W.
Etherington, E. J.
*Gandier, D. McG.
*Ireland, F. A. W.
*Kellock, J. M.
Kirkpatrick, F. G.
McCammon, F.

McDonald, H. S.
Nickle, W. F.
O'Shea, J.
*Roddick, J. A.
*Rollins, J.
Ross, M. H.
Stewart, W. R.
*Twitchell, M. C.
Webster, C.
Wilson, C.
Smith, J. H.

Junior French.

Beveridge, A. B.
Wright, J.
Nicol, J.
Anglin, F. R.
Stewart, J. A.
Lowe, G. R.
Gibson, J. C.
Kirkpatrick, C. S.

Sanderson, J. H.
Hugo, F. M.
Macpherson, J. W.
Murray, M.
Harkness, J. H.
White, J.
Reid, E. A.
Newman, G. E.

Senior French.

Campbell, A. G.
O'Shea, J.
Chambers, M. M.
Downing, J. J.
Stewart, W. R.
Bell, J.

McDonald, H. S.
Lavell, A. E.
Cunningham, A. B.
Gillies, W. F.
Twitchell, M. C.
Nickle, W. F.

Junior German.

Beveridge, A. B.
Reid, E. A.
Ross, M. H.

Nicol, J.
Stewart, J. A.
Murray, M.

* Of exceptional merit.

Wright, J.
 Gibson, J. C.
 McPherson, J. W.
 Hugo, J. M.

Kirkpatrick, C. S.
 Newman, G. E.
 Anglin, F. R.

Senior German.

Campbell, A. G.
 O'Shea, J.
 Downing, J. J.
 Cunningham, A. B.
 Lavell, A. E.
 Chambers, M. M.

McDonald, H. S.
 Gillies, W. F.
 Nickle, W. F.
 Bell, J.
 Twitchell, M. C.

Junior Mathematics.

Reid, E. }
 Campbell, P. }
 Stewart, J. A. }
 Connell, J. C.
 Ryerson, J. C.
 Gibson, J. C.
 Hunter, H. A. }
 Nicol, J. }
 Cameron, J. C.
 Beveridge, A.
 Lowe, G. R.
 McDonald, J.
 Wright, J.
 Nickle, W.
 Etherington, E. J.
 Newman, G. E.
 Hugo, F. M.

Menzies, A. D.
 Sparling, J. K.
 Sullivan, D. V.
 Davis, W. H.
 Maxwell, J.
 Cameron, D. }
 Donovan, M. }
 Wilkie, W. D.
 Byers, R. P. }
 Ross, A. E. }
 Murray, M.
 Clune, E.
 Argue, A.
 Henderson, N.
 Robertson, S.
 Webster, R. C.

Senior Mathematics.

Boyle, Joseph.

Junior Philosophy.

Heap, F.
 Gandier, D. McG.
 Thompson, T. J.
 Campbell, A. G.
 Drummond, D. R.
 Kellock, J. McC.
 Hamilton, C. F.
 Shibley, L.
 Young, R.

Arthur, C. C.
 Mills, J. H.
 Carmichael, N. R.
 Chambers, M. M.
 Anglin, S. E.
 Falconer, J. P.
 Daly, C. H.
 Horne, J.
 Lavell, A. E.

McLennan, A. K.
 Sproul, N. J.
 Hayes, W. J.
 Asselstine, D. P.

Lockhart, T. J.
 Fowler, J.
 Scott, J. F.

Pass of First Year.

Bethune, A.
 Walkinshaw, W.
 Lamont, J.

O'Connor, C.
 McDonald, D. D.
 McIntyre, A. B.

Extra-Mural.

Elliott, J.
 Parmelee, G. W.

Snell, J.

Senior Philosophy.

Patterson, W. J.
 Millar, J.
 McPherson, N.

Strachan, D.
 Chown, S. T.
 Reddon, J. A.

Junior Physics.

Chown, S. T.
 McPherson, N.
 Sullivan, D. V.
 Copeland, G. T.
 Etherington, E. J.
 Graham, A.
 Taylor, J. A.
 Robertson, S. G.
 Boyle, J.
 Fenwick, A. M.
 McPherson, N. A.
 Walkinshaw, W.
 Brown, F. M.
 Shurie, J. S.
 Edwards, J. W.
 Cochrane, J. B.

Bradley, G. F.
 Newman, G. E.
 Elliot, J.
 Baker, H. W.
 Boyd, J. D.
 Richardson, W. W.
 Parmelee, G. W.
 Smith, J. H.
 Kirkpatrick, F. G.
 Elliot, W. H.
 Fitzpatrick, A.
 Breuls, J. D.
 Asselstine, D. P.
 Smith, T. C.
 McJanet, J.
 Smellie, J. F.

Senior Physics.

Carmichael, N. R.
 Powell, G. K.

Elliot, J. (in Dynamics and Optics).

Astronomy.

Carmichael, N. R.

Powell, G. K.

History.

Shibley, L. }
 Farrell, J. M. }

Parmelee, G. W.
 Wilson, C.

O'Shea, J.
 Taylor, J. A.
 Kirkpatrick, F. G.
 Bell, J.
 Wrenshall, H.
 Mahood, P. S.
 Gillies, W. F.

McDonald, H. S.
 Madden, J. H.
 McJanet, F.
 Boyd, J. D.
 Russell, E. H.
 Webster, C. R.

Junior Hebrew.

McLennan, A. K.
 McPherson, N.
 Fraser, J.
 Falconer, J. P.
 McKenzie, A.
 Eldridge, G. S.
 Phalen, R. M.

Fitzpatrick, A.
 Boyd, J. D.
 Scott, J. F.
 Strachan, D.
 McDonald, D. D.
 Wright, J. J.

Chemistry—Junior and Senior.

Arthur, C. C.
 Lockhart, T. J.
 Anglin, S. E. }
 Sullivan, D. V. }
 McCammon, F. }
 McColl, A. E. }
 Baker, H. M. }
 Horne, J. }

Breuls, J. D.
 Powell, G. K.
 Newlands, W. A.
 Graham, A.
 Baker, H. W.
 Smith, J. H.
 McIntyre, A. B.
 Shurie, J. S.

Junior.

Smith, T. C.
 Parmelee, G. W.
 Edwards, J. W.
 Curtis, G.

Elliott, W. H.
 Brown, F. M.
 Asselstine, D. P.

Natural Science.

King, F.
 Echlin, E. B.
 Baker, H. M.
 Pope, F. J.
 Fowler, J.
 Farrell, J. M.
 McRossie, H.
 Arthur, C. C.
 Copeland, G. T.
 Cattanach, J.

Hayes, W. J.
 Lockhart, T. J.
 McPherson, J.
 Johnstone, M.
 McIntyre, A. B.
 Turner, J. B.
 Robertson, S. G.
 Robinson, R. R.
 Smith, J. H.
 Muirhead, J. W.

Medical Botany.

Bourns, W. H.

Robinson, E. B.

Practical Chemistry.

(Summer Session, 1888.)

Campbell, J. W. }	Wilson, A. C.
Kidd, W. E. }	Scott, L. B.
Hayunga, G.	Raymonde, C. N.
Gardiner, R. J.	Herald, D.
Birmingham, M. E.	Echlin, E. B.
Robinson, A.	Harvie, W. D.
McLean, E. H.	Campbell, J. S. }
Skimin, N. St. G.	Dixon, J. W. }
Bell, J. H.	Ogilvie, J.
MacLennan, D. N. }	Reid, J. D.
Stitt, F. }	

Analytical Chemistry.

(Summer Session, 1888.)

Kidd, W. E.	Raymonde, C. N.
Echlin, E. B. }	Gardiner, R. J. }
Scott, L. B. }	Herald, D. }
Hayunga, G.	Campbell, J. S. }
Brady, J.	Mitchell, C. F. }
Skimin, N. St. G.	Wilson, A.
MacLennan, D. N.	Stackhouse, A.
Birmingham, M. E. }	
Harrison, E. D. }	

Botany.

(Summer Session, 1888.)

Minnes, R. S. }	Harrison, E. D.
Hayunga, G. }	Raymonde, C. N.
Wilson, A.	Dixon, J. W.
Todd, S. G.	

Theoretical Chemistry.

Balfe, T. H.	Robinson, E. B.
Lockhart, A. }	Carmichael, A.
Valleau, A. J. }	McColl, A. E.
Genge, W. W.	Gibson, J. C. }
Lent, E. J.	Harrison, E. D. }
Suter, J. C.	Melville, E. J. }
Henderson, M. E.	Cook, W. A. }
Bourns, T. C. }	Patterson, J. N. }
Macnee, J. E. }	McLean, E. H.
Green, S. D.	Birmingham, F.

Bennett, L. B. }
 Hayunga, G. }
 Jamieson, A.
 Lavers, F. C.
 Stitt, F.
 Neish, J.
 Foley, I. J.
 McLellan, J. A.

Denaut, H. D.
 Barber, A. E. }
 Spankie, J. E. }
 Belch, J. A. }
 Douglas, H. E. }
 Steen, H. }
 Gibson, J. F. }
 Wheler, J. W. }

Practical Chemistry.

Genge, W. W. }
 Carmichael, A. }
 Macnee, J. E. }
 Valteau, A. J. }
 Scott, W. J.
 Johnston, W. J. }
 Ryan, M. D. }
 Stuart, W. A. }
 Suter, J. C.
 Greene, S. D.
 Spankie, J. E.
 Scott, W. H.
 Mackey, T. E. }
 Murray, J. }
 Holdcroft, W. T.
 Gibson, J. F.

O'Hara, M. }
 McCallum, M. E. }
 Harrison, E. D.
 Foley, I. J. }
 Switzer, F. L. }
 Empey, W. A.
 Scott, T. B.
 Meecham, G. R.
 Davis, S. N.
 Stackhouse, A.
 Patterson, J. A.
 Belch, J. A.
 Cook, W. A.
 Weir, J. M.
 Emmons, J.
 Kennedy, J. T.

Analytical Chemistry.

Genge, W. W.
 Macnee, J. E.
 Scott, W. J.
 Valteau, A. J.
 Camelon, T. P.
 Empey, W. A.
 Foley, I. J.
 Suter, J. C.
 Spankie, J. E.
 Stuart, W. A.
 Dixon, J. W.
 McLean, E. H.
 Carmichael, A.
 Switzer, F. J.
 Mackey, T. E.
 Emmons, J.

Scott, T. B.
 O'Hara, M.
 McCallum, M. E.
 Miller, J. S. C.
 Murray, J.
 Kennedy, J. T.
 Stitt, F.
 Johnstone, W. J.
 Greene, S. D.
 Cook, W. A.
 Patterson, J. N.
 Davis, S. N.
 Ryan, M. D.
 Gibson, J. F.
 Taplin, A. E.

Botany.

Arthur, C. C. }
 Genge, W. W. }
 Carmichael, A.
 Valleau, A. J. }
 Lockhart, A. }
 Bennett, L. B.
 Scott, T. B.
 Gibson, J. C.
 Bourns, T. C.
 Jamieson, A.
 Balfe, T. H.
 Turnbull, A. M.
 McCuaig, J. A. E. }
 Spankie, J. E. }
 Switzer, F. L.
 Oronhyateka, H. A.
 Wilson, S. }
 Reid, J. D. }
 Lavers, F. C. }

Brady, J.
 Bermingham, F.
 Lent, E. J.
 Bourns, W. H.
 Robinson, E. B.
 Suter, J. C.
 Bermingham, M. E. }
 Macfarland, J. F. }
 McLennan, J.
 Rarber, A. E.
 Adamson, H. A.
 Gardiner, R. J. }
 Emmons, J. }
 Gibson, J. F.
 Denaut, H. D.

THEOLOGY.

B. D. Examinations.

Rev. Jacob Steele, B.A.

John McKinnon, B.A.

Biblical Introduction.

C. J. Cameron, M.A.

Divinity.

(Alphabetical order.)

Third Year.

Bennet, O.
 Cameron, C. J.
 Flemming, D.
 McKay, N. T. C.

McKinnon, J.
 Potter, J. G.
 Whiteman, R.
 Wright, J. J.

Second Year.

Campbell, C. A.
 Cornett, W. H.
 Cosgrove, T. A.

Rattray, J.
 Sturgeon, R. J.
 Walker, E. G.

First Year.

McDonald, J. A.
McKenzie, A.

Scott, T. B.

Second Year Hebrew.

Campbell, C. A.
Ross, H.
Walker, E. G.

Wright, J. J.
Cameron, C. J.

Third Hebrew and Chaldee.

Bennet, O.
McKinnon, J.

Whiteman, R.

O. T. Exegesis.

Cameron, C. J.
Campbell, C. A.
Cornett, W. H.
Cosgrove, T. A.
McDonald, J. A.
McKenzie, A.

McKinnon, J.
Potter, J. G.
Rattray, J.
Walker, E. G.
Whiteman, R.
Wright, J. J.

Apologetics.

Campbell, C. A.
Cornett, W. H.
Cosgrove, T. A.
Flemming, D.
McKay, N. T. C.
Rattray, J.

Sturgeon, R. J.
Walker, E. G.
McDonald, J. A.
McLeod, P. A.
Ross, H.

N. T. Criticism.

Cameron, C. J.
Flemming, D.
McDonald, J. A.
McKenzie, A.
McKinnon, J.

Potter, J. G.
Scott, T. B.
Walker, E. G.
Whiteman, R.
Wright, J. J.

Church History.

Bryan, G. J.
Cameron, C. J.
Campbell, C. A.
Cornett, W. H.
Cosgrove, T. A.

Flemming, D.
McDonald, J. A.
McLeod, P. A.
McKay, N. T. C.
McKenzie, A.

McKinnon, J.
Potter, J. G.
Rattray, J.
Ross, H.
Scott, T. B.

Sturgeon, R. J.
Walker, E. G.
Whiteman, R.
Wright, J. J.

PASS LISTS IN MEDICINE, 1888-9.

Histology.

(Summer Session, 1888.)

Campbell, J. W.
Campbell, J. S.
Gardiner, R. J.
Hayunga, G.
Herald, D.
Kidd, W. E.
MacLennan, D. N.
McLean, E. H.
McKay, G.

Ogilvie, J.
Pirie, H. H., B.A.
Raymonde, N.
Robinson, A.
Stackhouse, A.
Taplin, A. E.
Reid, J. D.
Wilson, A. C.

Medical Jurisprudence.

(Summer Session, 1888.)

Duff, J.
Emery, G. F.
Harvie, W. D.
McGrath, M. E.
Mavety, A. C.
Northmore, H. S.

Ogilvie, J.
Pirie, H. H., B.A.
Robinson, A.
Reid, J. D.
Shannon, J. R., B.A.

Sanitary Science.

(Summer Session, 1888.)

Campbell, J. S.
Dixon, J. W.
Duff, J.
Echlin, E. B.
Emery, G. F.
Harvie, W. D.
Hayunga, G.
Herald, W.
Kidd, W. E.
Mavety, A. C.

McGrath, M. E.
McKenty, J.
Morgan, E. M.
Ogilvie, J.
Pirie, H. H., B.A.
Robinson, A.
Reid, J. D.
Raymonde, N.
Shannon, J. R., B.A.
Wilson, A. C.

Physiology.

Campbell, J. W.	Brady, J.	
Kidd, W. G.	Earl, W. M.	
McCallum, M. A.	Genge, W. W.	
Ryan, M. D.	Harrison, E. D.	
Valleau, A. J.	MacLennan, D. N.	
Empey, W. A.	O'Hara, M.	
Skimin, N. St. G.	Raymonde, N.	
Bell, J. H.	Dixon, J. W.	
Robinson, E. B.	Birmingham, M.E.	
Reid, J. D.	Coon, D. A.	
Wilson, A. C.	Chown, A. P.	
Watts, E.	Hayunga, G.	
Cook W. A.	Herald, D.	
Carmichael, A.	Johnston, W. J.	
Campbell, J. S.	Kennedy, J. T.	
Foley, I. J.	Melville, E. J.	
Gardiner, R. J.	Meecham, G. P.	
Mackey, T. E.	McLean, E. H.	
Pirie, H. H., B.A.	Stackhouse, A.	
Suter, J. C.	McCuaig, J. E.	
Macnee, J. E.	McLean, E. H.	
Weir, J. M.	Stackhouse, A.	
Holdcroft, W. T.	Murray, J.	
Parkyn, H. A.	Patterson, J. M.	
	Thompson.	
	Davis, S. N.	
	Moore, John.	
	Ogilvie, J. E.	
	Greene, S. D.	
	Gibson, J. F.	

Anatomy.

Bell, J. H.	Harrison, E. D.
Empey, W. A.	Walker, H. A.
Holdcroft, W. T.	Davis, S. N.
Cook, W. A.	Scott, W. J.
Carmichael, A.	Cameron, W. A.
Suter, J. C.	Greene, S. D.
Hayunga, G.	Brown M.
Campbell, J. W.	Lockhart, G. D.
Campbell, J. S.	Demorest, C.
Kidd, W. E.	Chown, A. P.
Valleau, A. J.	Raymonde, N.
Cunningham, D.	Dixon, J. W.
Camelon, T. P.	Herald, D.

Mavety, A. C.
 Todd, S. G.
 Patterson, J. A.
 Herald, W.
 Kennedy, J. T.
 Kellock, D.
 Reid, J. D.
 Wilson, A. C.
 Thompson, W. B.
 McKellar, M.

Morgan, E. M.
 Earl, W. M.
 Gardiner, R. J.
 Fowkes, J. W. }
 Neish, G. J. }
 Macnee, J. E.
 Watts, Edward.
 Miller, J. S. C.
 Pirie, H. H.

Histology.

Brown, M. }
 Cunningham D. }
 Walker, H. A. }
 Empey, W. A. }
 Genge, W. W. }
 Ryan, M. D. }
 Valleau, A. J. }
 Coon, D. A. }
 Cameron, W. A. }
 Harrison, E. D. }
 Carmichael, A. }
 Davis, S. A. }
 Greene, S. D. }
 Holdcroft, W. T. }
 McCallum, M. }
 Mackey, T. E. }
 Stitt, F. }
 Herald, W. }

Macnee, J. E.
 Suter, J. C.
 Meecham, G. P.
 Melville, E. J. }
 Patterson, J. N. }
 Watts, E. }
 Cook, W. A. }
 Demorest, C. }
 Fraser, W. G. }
 Foley, I. J. }
 Kellock, D. }
 Thompson, W. B. }
 Funnell, R. V. }
 Kennedy, J. T. }
 Scott, W. J.
 Dixon, J. W. }
 Spankie, J. E. }

Jurisprudence.

Drummond, P. }
 Elliott, A. R. }
 Walker, H. A.
 Kilborn, O. L.
 McKillop, J. T.
 McKellar, M. }
 Brown, M. }
 Patterson, J. N. }
 McPherson, W. A. }
 Cloutier, F. }

Demorest, C. }
 Neish, G. J. }
 Lanfear, H. O. }
 Fraser, W. G. }
 Coon, D. A. }
 Grant, N. M. }
 Miller, J. C. S. }
 Dixon, J. W. }
 Funnell, R. V. }
 Holdcroft, J. }

Sanitary Science.

Elliot, A. R. }	Holdcroft, J.
Hilker, A. E. }	Neish, G. J. }
Drummond, P.	Fraser, W. G. }
Patterson, J. A. }	Coon, D. A.
Lanfear, H. O. }	Cloutier, F.
Kilborn, O. L. }	McKellar, M.
McKillop, J. T. }	Grant, N. M., B.A.
McPherson, W. A. }	

Materia Medica.

Valleau, A. J. }	Herald, D. }
Kidd, W. E. }	Robinson, E. B. }
Brown, M.	Mitchell, C. F.
Cunningham, D.	Davis, S. N. }
Macnee, J. E.	Harrison, E. }
Cameron, W. A. }	Coon, D. A.
Hayunga, G. }	Cook, W. A. }
McCallum, M. }	Spankie, J. E. }
Neish, G. J. }	Thompson, W. B. }
Holdcroft, W. J. }	Walker, H. A.
Ryan, M. D. }	Demorest, C.
Scott, W. J.	Kennedy, J. T. }
Foley, I. J. }	McLean, E. H. }
Melville, E. J. }	Ogilvie, J. A. }
Carmichael, A. }	Watts, E. }
Skimin, N. St. G. }	Fowkes, J. T.
Wilson, A. C. }	Moore, J. }
Raymonde, N.	Morgan, E. M. }
Herald, W. }	Earl, W. M.
Stitt, F. }	Dixon, J. W. }
Patterson, J. N.	Johnston, W. J. }
Greene, S. D. }	Bell, J. H.
Kellock, D. }	Camelon, T. P.
Reid, J. D.	

Surgery.

Duff, John }	David, W. C.
Emery, G. F. }	Walker, S. R.
Elliot, A. R. }	Northmore, H. S.
Freeland, A. }	Little, W. C.
Gardiner, S. H. }	Mavety, A. C.
Harkness, F. B. }	Tillman, H. G.
Kilborn, O. L. }	Harvie, W. D. }
McGrath, M. E. }	Patterson, J. A. }
McKillop, J. T. }	Graham, H. C. W.
Rankin, W. H. }	

Drummond, P. }
 Grant, N. M. }
 Holdcroft, J.
 McConville, I.
 Cloutier, F.
 Lanfear, H. O.
 Stewart, A.
 Campbell, A. L.

Buchanan, H. M. }
 Hilker, A. E. }
 Robinson, A.
 Chanonhouse, R. C. }
 Johnstone, W. H. }
 Sands, E.
 Snider, E.
 Belch, J. A.

Obstetrics.

Duff, John }
 Elliot, A. R. }
 Harkness, F. B.
 Drummond, P. }
 Kilborn, O. L. }
 David, W. C. }
 Hilker, A. E. }
 McKillop, J. T. }
 Rankin, W. H. }
 Tillman, H. G. }
 Emery, G. F.
 Freeland, A.
 Gardiner, S. H. }
 Sands, E. }
 Northmore, H. S.
 McGrath, M. E.
 Patterson, J. A.
 Chanonhouse, R. C. }
 Walker, S. R. }

Holdcroft, J.
 Little, W. C.
 Buchanan, H. M. }
 Grant, N. M. }
 Campbell, A. L.
 Snider, E.
 Johnstone, W. H.
 Stewart, A.
 Harvie, W. D.
 Cloutier, F.
 Robinson, A.
 Lanfear, H. O. }
 Mavety, A. C. }
 McConville, I.
 Graham, H. C. W.
 Belch, J. A.

Practice of Medicine.

Harkness, F. B.
 Emery, G. F.
 Elliot, A. R.
 Duff, J.
 David, W. C. }
 Kilborn, O. L. }
 Rankin, W. H. }
 Hilker, A. E. }
 Gardiner, S. H.
 McGrath, M. E.
 Tillman, H. G.
 Chanonhouse, R. C.
 Freeland, A.
 Holdcroft, J. }
 Drummond, P. }
 Patterson, J. A.
 Little, W. C.

Buchanan, H. M.
 McConville, I.
 Sands, E.
 McKillop, J. }
 Robinson, A. }
 Grant, N. M.
 Stewart, A. }
 Cloutier, F. }
 Northmore, H. S. }
 Walker, S. R.
 Belch, J. A. }
 Harvie, W. D. }
 Mavety, A. C.
 Johnstone, W. H.
 Snider, E. F.
 Lanfear, H. O.

Classics. Cl. I. Mackenzie, Arch. A.
Mathematics. Cl. I. Irvine, Wm. H.
Philosophy. Cl. I. Mackenzie, Arch. A.
English Literature and History. Cl. I. Mackenzie, Arch. A.

Classics. Cl. I. Macdonald, Geo.
Mathematics. Cl. I. Givens, D. A. McLennan, F. M.
Philosophy. Cl. I. Macdonald, Geo.
English Literature and History. Cl. I. Macdonald, Geo.

Classics. Cl. I. Briden, Wm. H. McTavish, D.
Mathematics. Cl. I. Stewart, W.
 Cl. II. McMillan, H. H.
History. Cl. I. McKay, M.
Chemistry. Cl. I. Dupuis, J. M.

Classics. Cl. I. Linton, A. R.
Philosophy. Cl. I. McCallum, A. B.
Political Economy. Cl. I. Shibley, H. T.
Chemistry. Cl. I. Shannon, L. W.
Moderns. Cl. I. Robertson, M. S.

Classics. Cl. I. Dyde, S. W. *Greek*, Cl. I. Smith, A. L.
Latin, Cl. I. McKay, R.
 Cl. II. Irving, R.

Mathematics. Cl. I. Davis, B. N. Hume, J. P.

Philosophy. Cl. I. Linton, A. R. McTavish, D.

Political Economy. Cl. I. O'Reilly, J. R.

English Literature and History. Cl. I. Young, J. Fowler, H. C.

Chemistry. Cl. I. Hume, J. P. Davis, B. N.

History. Cl. I. Shibley, H. T.

Chemistry. Cl. I. Nicol, W.

Chemistry. Cl. I. McGillivray, Alice.

Cl. II. Scott, C. A.

Cl. II. Miller, J.

- English.* Cl. II. Elliott, E.
History. Cl. I. Elliott, E.
Chemistry. Cl. I. Gardiner, S. H. Shorey, E. C.
Natural Science. Cl. I. Gardiner, S. H. Shorey, E. C.
Moderns. Cl. I. Dunlop, J. G. Folger, Marion.
 Cl. II. Elliott, E. Miller, J.

1887.

- Greek.* Cl. I. Logie, W. A. Parker, F. R.
 Cl. II. Wilson, H. L.
Latin. Cl. I. Logie, W. A. Parker, F. R.
 Cl. II. Wilson, H. L.
Mathematics. Cl. I. Findlay, J.
Philosophy. Cl. I. Marshall, J.
Political Economy. Cl. I. McLeod, P. A. Wright, J. J.
English Literature and History. Cl. II. Dunlop, J. G.
Chemistry. Cl. I. Kilborn, O. L.
 Cl. II. McClement, W. T.

1888.

- Greek.* Cl. I. Wilson, H. L. Finlay, W. A.
 Cl. II. Hartwell, G. E.
Latin. Cl. I. Wilson, H. L. Finlay, W. A. Beall, A. W.
 Cl. II. Claxton, J. Barclay, W. B. C.
Mathematics. Cl. I. Patterson, W. J.
 Cl. II. Ross, A. H. D.
Philosophy. Cl. I. Mackenzie, M.
Political Economy. Cl. I. Hay, A. G. Binnie, J. Sharpe, J.
English Literature and History. Cl. II. Barclay, W. B. C.
Chemistry. Cl. I. Hales, J.
 Cl. II. Haig, A. Morden, G. W. White, J. W.
Natural Science. Cl. I. Allen, T. G. McClement, W. T.
Moderns. Cl. I. Beall, A. W. Claxton, J.

1889.

- Greek.* Cl. I. Drummond, D. R. Dyde, G. E. Mills, J. H.
 Cl. II. Cooke, J.
Latin. Cl. I. Drummond, D. R., Dyde, G. E. and Mills, J. H. equal.
 Cl. II. Griffin, E. S.
Mathematics. Cl. I. Minnes, R. King, F. Farrell, T. H. Curle, W.
Philosophy. Cl. I. McLeod, P. A.
 Cl. II. Sharpe, J. Binnie, J. Hay, A. G.

- Political Economy.* Cl. I. Patterson, W. J. Curle, W. Sinclair, J. A.
Cl. II. Phalen, R. M.
- English Literature.* Cl. II. Lett, R. M. McDonald, N.
- History.* Cl. I. Lett, R. M.
- Chemistry.* Cl. I. Walker, T.
Cl. II. Corkill, E. J. Pope, T. G.
- Botany.* Cl. I. Bowerman, J. T.
Cl. II. Corkill, E. J. Walker, T.
- Zoölogy.* Cl. I. Bowerman, J. T.
- Geology.* Cl. I. Bowerman, J. T.
- Moderns.* Cl. II. Griffin, E. S. Lett, R. M.

**Explanation of the Numbers attached to the Names in the
Following List.**

1. Gold Medallist in Classics.
2. Silver Medallist in Classics.
3. Gold Medallist in Mathematics.
4. Gold Medallist in Philosophy.
5. Gold Medallist in History and English Literature.
6. Gold Medallist in Political Economy.
7. Silver Medallist in Political Economy.
8. Gold Medallist in Chemistry.
9. Silver Medallist in Chemistry.
10. Silver Medallist in Modern Languages.
11. Silver Medallist in Natural Science.
12. Prince of Wales' Prize.
13. Governor General's Prize.
14. Gowan Prize,
15. Macpherson Prize.
16. Thorburn Prize.
17. Lewis Prize.
18. Latin Composition Prize.
19. Greek Composition Prize.
20. Gold Medallist in History.
21. Silver Medallist in History.
22. Maclellan Prize.
23. Carmichael Prize.
24. Chancellor's Prize.

LIST OF GRADUATES.

(Graduates are requested to intimate to the Registrar change of residence or any omission in the list.)

Names marked with an asterisk are names of clergymen.

Name.	Date of Graduation.	Address.
Abbott, Rodney H., M.D.....	1879....	Comber.
Abbott, Samuel A., M.D.....	1868....	(Deceased.)
*Acheson, Stuart, B.A.....	1887....	Clover Hill.
Agnew, Andrew, B.A.....	1864....	Chicago.
Agnew, John, B.A., 1859; M.A. 1872; M.D.....	1865....	(Deceased.)
Alexander, Francis R., M.D.....	1881....	(Deceased.)
Alexander, James A., M.D.....	1869....	(Deceased.)
¹⁴ Allen, Thos G., B.A., 1888; M.A. 1889....		Brockville.
Allen, Alfred G., M.D.....	1887....	Kingston.
Alway, Enoch, M.D.....	1869....	Binbrook.
Anderson, James J., M.D.....	1887....	Winchester Springs.
Anderson, W. J., M.D.....	1861....	Winchester Springs.
Anglin, Jas. V., B.A., 1883; M.D..	1887....	Pittsburg, Penn.
Anglin, Robert S., M.D.....	1882....	Springfield, Neb.
Anglin, William G., M.D.....	1883....	Kingston.
(Professor Woman's Medical College.)		
Armour, James, B.A.....	1886....	Perth.
Armstrong, Albert, M.D.....	1867....	Arnprior.
Armstrong, Alfred, M.D.....	1866....	(Deceased.)
Ashton, John J., B.A.....	1886....	Darlington.
Asselstine, Henry A., B.A.....	1876....	
Aylesworth, Archibald R., M.D....	1863....	(Deceased.)
*Awde, James, B.A.....	1879....	Brantford.
Bain, Angus U., B.A.....	1888....	Kingston.
¹² Bain, Hugh U., B.A.....	1871....	Prince Albert, NWT
Bain, John F., B.A.....	1867....	Winnipeg.
*Bain, William, B.A., 1845; M.A., 1847; D.D.....	1872....	Kingston.
Bain, William G., B.A.....	1886....	Kingston.
Bain, William R., B.A.....	1863....	

Name.	Date of Graduation.	Address.
Baker, Thomas C., M.D.....	1888....	
Ballagh, James H., B.A.....	1878....	Rockwell City.
Barclay, William B. C., BA.....	1888....	Arnprior.
Bateman, Francis J., B.A.....	1888....	Christina.
*Baxter, John C., D.D.....	1872....	Scotland.
*Bayne, James, D.D.....	1865....	(Deceased.)
¹⁰ Beall, Arthur W., B.A.....	1888....	Tokyo, Japan.
Beattie, William, M.D.....	1866....	Wayram.
Beatty, Elizabeth R., M.D.....	1884....	Indore, India,
Beeman, William C., M.D.....	1886....	Cataraqui.
Beeman, Thomas W., M.D.....	1878....	Smith's Falls.
Beeman, Truman A., M.D.....	1887....	Bancroft.
Beckett, James, M.D.....	1863....	(Deceased.)
Begg, John W., M.D.....	1887....	Kingston.
Belch, John A., M.D.....	1889....	Kingston.
Bell, Alexander, M.D.....	1865....	Lakefield.
Bell, Andrew, B.A.....	1853....	Almonte.
*Bell, George, B.A., 1845; LL.D....	1872....	Kingston.
<i>(Registrar, Queen's University.)</i>		
Bell, George, B.A.....	1878....	Toronto.
Bell, James M., M.D.....	1857....	(Deceased.)
Bell, John, B.A., 1862; M.A., 1865;		
M.D.....	1866....	(Deceased.)
Bell, Josiah J., B.A., 1864; M.A....	1877....	Brockville.
Bell, Robert, LL.D.....	1883....	Ottawa.
<i>(Assistant Director, Geological Survey of Canada.)</i>		
*Bell, William, B.A.....	1855....	(Deceased.)
*Bellis, George, D.D.....	1880....	(Deceased.)
Bennett, Orr, B.A.....	1886....	Peterboro.
Bennett, Henry, M.D.....	1878....	Sullivan.
Benson, John R., B.A., 1853; M.D.1858....	(Deceased.)	
*Bergne, Samuel B., D.D.....	1865....	London, Eng.
Bernard, Gerald, M.D.....	1871....	Newcastle-on-Tyne.
Bertram, Thomas A., M.D.....	1885....	Dundas.
Bethune, Alexander, M.D.....	1858....	Toronto.
Bethune, Henry T., M.D.....	1869....	Clanbrassie.
Bethune, William, B.A.....	1864....	Geneseo, Ill.
Betts, Alfred H., M.D.....	1875....	(Deceased.)
Betts, John H., M.D.....	1881....	Kingston.
Bice, Mark, M.D.....	1869....	Arva.
Bigham, Hugh, M.D.....	1864....	(Deceased.)
Bigham, James, M.D.....	1868....	Warsaw.
Bigham, John, M.D.....	1865....	(Deceased.)
Binnie, James, B.A.....	1889....	Durham.

Name.	Date of Graduation.	Address.
Bird, Francis W., M.D.....	1859....	(Deceased.)
Bird, Nelson J., M.D.....	1860....	San Francisco, Cal.
Bissonette, Julien D., B.A.....	1880....	Dundas.
*Black, John, D.D.....	1876....	(Deceased.)
Black, William A., M.D.....	1862....	(Deceased.)
Blakeley, Robert, M.D.....	1861....	(Deceased.)
Blaylock, Ella, M.D.....	1887....	Nashua, New Haven
Bleasdell, Charles E., M.D.....	1861....	(Deceased.)
Bonner, John, B.A., 1845; M.A....	1847....	(Deceased.)
Booth, Donald B., M.D.....	1868....	Odessa.
Bourchier, H. P., B.A.....	1853....	(Deceased.)
Bourinot, John G., LL.D.....	1887....	Ottawa.
Bowen, George, M.D.....	1877....	Seeley's Bay.
Bowen, Robert, M.D.....	1865....	H. M. Service.
Bowers, Samuel S., M.D.....	1877....	Fond du Lac, Wis.
Boyd, Edward, LL.B.....	1863....	Cincinnati, U.S.
Boyd, John D., B.A.....	1889....	Alexandria.
Boyle, Arthur A., M.D.....	1859....	Toronto.
*Boyle, W. H. W., B.A.....	1884....	Paris.
Branigan, P. K., M.D.....	1872....	(Deceased.)
Bray, John L., M.D.....	1853....	Chatham, O.
^{1,12} Briden, William, B.A.....	1880....	Ingersoll.
Bridgland, Samuel, M.D.....	1860....	Bracebridge.
Brien, James, M.D.....	1862....	Essex Centre.
Britton, Edward H., B.A.....	1884....	Toronto.
*Brown, James A., B.A.....	1883....	Belmont.
Brown, Marshall J., M.D.....	1856....	Kingston.
Brown, William G., B.A.....	1881....	Toronto.
Bruce, Frederick, M.D.....	1886....	Mount Morris, Mich.
Bryan, George J., B.A.....	1888....	Kingston.
Buchanan, John H., B.A.....	1885....	Indore, India.
Buchanan, H. M., M.D.....	1889....	Kemptville.
Buckley, Phillip J., LL.D.....	1863....	(Deceased.)
Bullis, William H., M.D.....	1884....	Chatham, O.
Burdett, Harry E. M.D.....	1886....	Minneapolis, Minn.
Burgess, James E., B.A., 1868; M.A.	1876....	Sydenham.
*Burns, James C., D.D.....	1884....	Kirkliston, Scotland
¹⁵ Burns, William, B.A.....	1886....	St. Catharines.
*Caie, George J., B.A.....	1861....	Forfar, Scotland.
Caldwell, William, B.A.....	1866....	Lanark.
Cameron, Alexander D., M.D.....	1885....	Lancaster.
*Cameron, Charles I., B.A., 1861 ; M.A.....	1868....	(Deceased.)
¹ Cameron, Chas. J., B.A., 1886; M.A.	1887....	Kingston.
Cameron, C. Alice, B.A.....	1888....	Renfrew.

Name.	Date of Graduation.	Address.
Cameron, Dan., M.D.....	1887....	Perth.
*Cameron, Hugh, B.A.....	1870....	Morrisburg.
Cameron, James C., B.A.....	1888....	Camerontown.
Cameron, John, B.A.....	1864....	Toronto.
*Cameron, James Y., M.A.....	1867....	(Deceased.)
*Campbell, Alexander, B.A.....	1862....	Prince Albert, NWT
*Campbell, Alexander J., D.D.....	1887....	Geelong, Aus.
Campbell, Donald, B.A.....	1850....	(Deceased.)
Campbell, George, M.D.....	1859....	H. M. Navy.
*Campbell, John, B.A., 1874; M.A.	1850....	(Deceased.)
Campbell, John H., M.D.....	1856....	(Deceased.)
Campbell, Joseph, M.D.....	1867....	Paisley.
*Campbell, Neil, B.A.....	1883....	Port Elmsley.
*Campbell, Robert, B.A., 1856; M.A. 1858 ; D.D.....	1887....	Montreal.
*Campbell, Robert, B.A., 1867; M.A. 1870; D.Sc.....	1884....	Renfrew.
Carmichael, James F., B.A.....	1887....	Bryson.
Cartwright, Alexander D., B.A.....	1885....	Toronto.
Cartwright, Richard C., M.D.....	1884....	Rochester, N. Y.
Carscallen, Allen B., M.D.....	1875....	Enterprise.
Case, George H., M.D.....	1876....	(Deceased.)
Casselman, Joseph, M.D.....	1886....	N. Williamsburg.
Cattanach, James, B.A.....	1889....	Williamstown.
*Cattanach, John C., B.A., 1868 ; M.A.....	1881....	
*Caven, William, D.D.....	1875....	Toronto.
<i>Principal, Knox College.</i>		
Chaffey, Ellsworth, M.D.....	1871....	Ontario, Cal.
Chamberlain, T. F., M.D.....	1862....	Morrisburg.
Chamberlain, Watson P., M.D.....	1888....	Morrisburg.
Chambers, Alice, B.A.....	1888....	Ottawa.
Chambers, Daniel, M.D.....	1855....	(Deceased.)
*Chambers, Robert, B.A.....	1866....	Erzeroum, Turkey.
Chambers, William, B.A.....	1883....	Los Angeles, Cal.
Channonhouse, John, M.D.....	1863....	Eganville.
Channonhouse, R. C., M.D.....	1889....	Eganville.
Channonhouse, Thomas, M.D.....	1860....	(Deceased.)
Chapman, Edward J., LL.D.....	1867....	Toronto.
<i>Professor, University College.</i>		
*Childerhose, Stephen, B.A.....	1884....	Madoc.
*Chisholm, John, B.A.....	1878....	Nicola Valley, B.C.
Chisholm, Harvey F., M.D.....	1857....	(Deceased.)
Chown, George Y., B.A.....	1883....	Kingston.

Name.	Date of Graduation.	Address.
Chown, Henry H., M.D.....	1880....	Winnipeg.
Chown, Stanley T., B.A.....	1889....	Kingston.
Chrysler, Francis H., B.A.....	1866....	Ottawa.
Clancy, Charles C., M.D.....	1883....	Port Huron, Mich.
Clark, W. C. D., M.D.....	1885....	Bristol, England.
Clarke, James, M.D.....	1868....	Bay City, Mich.
Clarke, John, M.D.....	1872....	Peterboro.
Clarke, Joseph A., M.A.....	1882....	(Deceased.)
Clarke, J. G., M.D.....	1880....	Meaford.
Clarke, William, M.D.....	1879....	Ireland.
*Clarke, William C., B.A.....	1855....	(Deceased.)
Claxton, George, B.A.....	1876....	Gladstone, Man.
Claxton, John A., B.A.....	1888....	Inverary.
Claxton, William, M.D.....	1874....	Verona.
Cleaver, J. C. C., M.D.....	1879....	Monsterrat, Trinidad
Cleaver, William T., M.D.....	1879....	Wigan, England.
Clinton, George, M.D.....	1878....	Belleville.
Cloutier, Felix, M.D.....	1889....	Crysler.
Cluness, William R., B.A., 1855; M.A., 1859; M.D.....	1858....	Sacramento, Cal.
Clyde, William, B.A., 1885; M.A....	1887....	Petrolia.
Cogan, Jeremiah R., M.D.....	1861....	(Deceased.)
³ Connell, James C., B.A., 1884; M.A. 1885; M.D.....	1888....	Kingston.
Coleman, William F., M.D.....	1863....	St. John, N.B.
Comer, Alex. T., M.D.....	1864....	New York.
Collins, Cornelius, M.D.....	1886....	(Deceased.)
Connerty, J. Moore, M.D.....	1886....	Winchester.
*Cook, John, LL.D.....	1880....	Quebec.
Cooke, John, B.A.....	1884....	
Cooke, William, H., M.D.....	1888....	Minneapolis.
Copeland, George T., B.A.....	1889....	Cornwall.
Corbett, George H., M.D.....	1856....	Orillia.
Corbett, Henry T., M.D.....	1868....	(Deceased.)
Corkill, Edward J., B.A.....	1886....	Perth Road.
Corlis, Margaret A., M.D.....	1885....	St. Thomas.
*Cormack, James, B.A.....	1872....	Maxville.
Cornell, Albert P., M.D.....	1882....	Gravenhurst.
Cornell, Stanley S., M.D.....	1886....	Farmersville.
Cornett, William H., B.A.....	1887....	Gananoque.
Corry, Robert, M.D.....	1861....	(Deceased.)
Cosgrove, Thomas A., B.A.....	1887....	Port Hope.
Coughlan, Richard, M.D.....	1881....	Waterdown.
Coutlee, Helier Noel, M.D.....	1882....	Sharbot Lake.
Cowley, Robert H., B.A.....	1889....	Ottawa.
Coy, William F., M.D.....	1886....	Chicago.

Name.	Date of Graduation.	Address.
Craig, James J., B.A.....	1874....	Mount Forest.
Craig, Hugh A., M.D.....	1878....	Cobourg.
*Craig, Robert J., B.A., 1871; M.A....	1874....	Deseronto.
Craig, William, B.A.....	1858....	Pittsburgh.
Craine, Agnes D., M.D.....	1888....	Smith's Falls.
Cranston, James G., M.D.....	1860....	Arnprior.
Crawford, Joseph, M.D.....	1857....	(Deceased.)
¹² Crawford, Robert, B.A.....	1869....	Kingston.
Creeggan, John G., B.A., 1878; M.D.....	1886....	Lyndhurst.
Cryan, John, M.D.....	1883....	Demorestville.
*Cumberland, James, B.A., 1877; M.A.....	1880....	Stella.
Cumberland, Thomas, M.D.....	1884....	(Deceased.)
¹² Cumberland, Thomas D., B.A....	1875....	Winnipeg.
Cunningham, David, B.A.....	1887....	Kingston.
Cunningham, Henry C., M.D.....	1885....	Toronto.
Curle, William, B.A.....	1889....	Campbellford.
*Curran, William B., B.A., 1859; M.A.....	1870....	Hamilton.
*Currie, Archibald, B.A., 1858; M.A.....	1861....	Sonya.
*Currie, John, D.D.....	1885....	Halifax.
<i>Professor, Theological Hall.</i>		
Curry, James W., B.A.....	1878....	Port Hope.
Daly, Wilberforce, B.A.....	1880....	Peterboro'.
Dame, Alexander A., M.D.....	1886....	Galt.
*D'Argent, William E., B.A.....	1884....	McIntyre.
Darragh, Robert J., M.D.....	1866....	Sunbury.
David, Alfred, M.D.....	1873....	Atlantic Mines, Mich
David, William C., M.D.....	1889....	Willetsholme.
Davies, Ransom A., M.D.....	1876....	Easton's Corners.
Davis, Bidwell N., B.A.....	1881....	Toronto.
Davis, Lewis T., M.D.....	1883....	Nanaimo, B.C.
Davis, Robert H., M.D.....	1858....	York, Grand River.
Davidson, Myers, M.D.....	1864....	Florence.
*Dawson, Æneas McD., LL.D....	1886....	Ottawa.
*Dawson, Alexander, B.A.....	1859....	Toronto.
Dawson, Henry, M.D.....	1885....	Cape Vincent.
Day, Barnabas W., M.D.....	1862....	Council Grove, Kansas
Day, H. W., M.D.....	1859....	Trenton.
Day, Jonathan, M.D.....	1877....	Fullarton.
Day, Lewis E., M.D.....	1880....	(Deceased.)
Day, Walter D. P. W., M.D.....	1877....	Harrowsmith.

Name.	Date of Graduation.	Address.
Deans, George, M.D.	1865	Trenton.
Deans, William C., M.D.	1861	(Deceased.)
Denike, George M., M.D.	1882	Fulton, N.Y.
Dennistoun, Robert M., B.A.	1885	Peterboro'.
*Dewar, Donald L., B.A.	1886	Boulter.
Deynard, Adelbert, M.D.	1875	Owen Sound.
Dickson, Annie E., M.D.	1886	Brockville.
Dickson, Charles R., M.D.	1880	Kingston.
Dickson, John R., M.D.	1863	(Deceased.)
Dickson, John R., M.D.	1868	(Deceased.)
Dingman, William E., M.D.	1875	Listowel.
Dingwall, James, B.A.	1864	Cornwall.
Dixon, Mortimer L., M.D.	1886	Florida, U.S.
*Donald, William, D.D.	1861	(Deceased.)
Donald, William, B.A.	1873	Pilot Mountain, Man
Donovan, Edward I., M.D.	1886	Campbellford.
Donovan, Patrick C., M.D.	1879	Gretna, Man.
Douglas, James, B.A.	1858	Phoenixville, Penn.
Douglas, Robert, B.A., 1851; M.D.	1855	(Deceased.)
Dow, John Ball, B.A.	1875	Whitby.
Downing, James J., B.A.	1881	(Deceased.)
Downing, William H., M.D.	1888	Kingston.
Dowsley, David H., M.D.	1875	Kingston.
Dowsley, George C., M.D.	1875	Owen Sound.
Drummond, Andrew T., B.A., 1860; LL.B.	1863	Montreal.
Drummond, Daniel R., B.A.	1889	Almonte.
Drummond, Francis A., B.A.	1877	Winnipeg.
Drummond, Peter, M.D.	1889	Almonte.
*Drummond, William J., B.A.	1885	Pembroke.
*Duclos, John E., B.A.	1884	Bryson, Que.
Duff, John, M.D.	1889	Inverary.
Duff, Hew R., M.D.	1884	Newburgh.
Dugdale, John J., M.D.	1867	Montreal.
Dumble, Thomas H., M.D.	1870	Gananoque.
Dumble, William C., M.D.	1877	Tara.
*Dumoulin, John P., M.A.	1870	Toronto.
Dunbar, Neil, B.A.	1854	(Deceased.)
Dunbar, Samuel, M.D.	1855	(Deceased.)
Dunlop, James D., M.D.	1887	Alpena, Mich.
¹⁵ Dunlop, John G., B.A.	1888	Japan.
Dunlop, Neil, M.D.	1861	Sydenham.
Dunn, Andrew T., M.D.	1864	North Augusta.
Dupuis, Charles B., B.A.	1887	Kingston.
⁸ Dupuis, James M., M.D.	1881	Clayton, N.Y.

Name.	Date of Graduation.	Address.
Dupuis, Nathan F., B.A., 1866; M.A.....	1868....	Kingston. (<i>Professor, Queen's College.</i>)
Dupuis, Thomas R., M.D.....	1860....	Kingston. (<i>Professor, Royal College.</i>)
Dwyre, Andrew W., M.D.....	1885....	Westport.
*Dyckman, Henry M., B.A.....	1877....	Orange, N.J.
Dyde, George E., B.A.....	1889....	Kingston.
1, 4 Dyde, Samuel W., B.A., 1883; M.A., 1884; D.Sc.....	1887....	Fredericton, N.B. (<i>Professor, University of New Brunswick.</i>)
*Eakin, Joseph F., B.A.....	1866....	Dundalk.
*Edmison, Henry, B.A., 1863; M.A. 1866....		Rothsay, O.
Echlin, Edmund B., B.A.....	1889....	West Flamboro.
Elliott, Arthur R., M.D.....	1889....	Belleville.
Elliot, Edwin, B.A.....	1886....	Kingston.
Elliot, Thomas A., B.A.....	1879....	Brockville.
Elmer, William W., M.D.....	1858....	Bay City, Mich.
Elwell, W. D., M.D.....	1863....	(Deceased.)
Embury, Elizabeth, M.D.....	1888....	Selby.
Emery, George F., M.D.....	1889....	Gananoque.
Emery, Horatio J., M.D.....	1884....	Crosswell, Mich.
Empey Charles T., M.D.....	1880....	Cross Hills, Eng.
Erly, Francis W. J., M.D.....	1868....	(Deceased.)
Errett, Alfred J., M.D.....	1887....	Merrickville.
Evans, Henry, M.D.....	1858....	(Deceased.)
Evans, Henry, M.D.....	1878....	Picton.
*Evans, Joseph, B.A., 1855; M.A. 1857....		Plainview, N. Car.
Fairbairn, Archibald C., M.D.....	1871....	Minneapolis.
Fairfield, Charles A. D., B.A.....	1887....	
Falconer, John P., B.A.....	1889....	Sydney, C. B.
Farrell, Alexander G., B.A.....	1885....	Smith's Falls.
Farrell, James M., B.A.....	1889....	Kingston.
Farrell, T. Harry, B.A.....	1889....	Kingston.
Farrell, J. T., M.D.....	1861....	(Deceased.)
Fee, Samuel H., M.D.....	1862....	Kingston.
Fee, Robert G., B.A.....	1882....	Grenville, Que.
Fenwick, Kenneth N., B.A., 1871; M.A., 1874; M.D.....	1874....	Kingston. (<i>Professor, Royal College.</i>)
Fenwick, Thomas M., M.D.....	1864....	Kingston. (<i>Professor, Women's Medical College.</i>)
Ferguson, Allan G., M.D.....	1887....	Bathurst.

Name.	Date of Graduation.	Address.
Ferguson, Archibald, B.A.....	1883....	Winnipeg.
Ferguson, Charles F., M.D.....	1859....	Kemptville.
Ferguson, Edward G., M.D.....	1863....	Brunswick, Georgia
*Ferguson, George D., B.A.....	1851....	Kingston.
<i>(Professor, Queen's College.)</i>		
Ferguson, James F., B.A.....	1862....	Napanee.
*Ferguson, John, B.A., 1876; M.A., 1878; B.D.....	1879....	Chesley.
⁵ Ferguson, Robert, B.A.....	1882....	London.
Ferguson, Robert B., M.D.....	1863....	Winnipeg.
Ferguson, Thomas B., B.A.....	1863....	Cincinnati, Ill.
Ferguson, William B., B.A.....	1861....	Napanee.
File, Albert J., M.D.....	1869....	Ameliasburg.
³ Findlay, John, B.A., 1887; M.A..	1888....	Cataraqui.
² Finlay, William A., B.A.....	1888....	Lakefield.
Fisher, Albert J., M.D.....	1887....	Warton.
¹ Fitzgerald, Eliza S., B.A.....	1884....	Niagara Falls, South
Flemming, David, B.A.....	1887....	Halifax.
Foley, Declan E., M.D.....	1886....	Wolfe Island.
¹⁰ Folger, Howard S., B.A.....	1887....	New York.
Folger, Matthew H., B.A.....	1885....	New York.
Ford, Henry B., M.D.....	1885....	Moorwood.
Ford, Herbert D., M.D.....	1874....	Chicago.
Forin, Alexander W., M.D.....	1884....	Brighton.
Forrester, Edgar, B.A., 1882; M.D.	1884....	Brookville.
Foster, Robert J., M.D.....	1859....	(Deceased.)
Fowler, Annie L., B.A.....	1884....	Kingston.
Fowler, Fife, M.D.....	1863....	Kingston.
<i>(President, Royal College.)</i>		
⁵ Fowler, Henry C., B.A.....	1881....	Toronto.
Fowler, William J., B.D.....	1888....	New Richmond.
Fox, Edward C., M.D.....	1864....	
Foxton, Edward, M.D.....	1884....	Ingersoll
Foxton, Joseph, B.A.....	1886....	Kingston.
Fraleck, Edison B., B.A.....	1863....	Belleville.
Franklin, Benjamin W., M.D.....	1856....	Port Burwell.
Fraser, Anson S., M.D.....	1869....	Sarnia.
Fraser, Alexander G., B.A.....	1862....	(Deceased.)
Fraser, Archibald, B.A.....	1848....	(Deceased.)
*Fraser, Donald, B.A., 1864; M.A..	1866....	Victoria, B.C.
Fraser, George L. B., B.A.....	1870....	Ottawa.
*Fraser, James, B.A.....	1864....	Cushing, Que.
Fraser, John (M.A.), LL.D.....	1887....	Maitland, Aus.
Fraser, John B., M.D.....	1888....	Spencerville.

Name.	Date of Graduation.	Address.
*Fraser, John F., B.A.....	1869....	Chrysler.
Fraser, John M., B.A., 1855; M.D.....	1861....	London.
Fraser, Joshua, B.A.....	1858....	(Deceased.)
Fraser, Robert N., M.D.....	1884....	Thamesville.
*Fraser, William, D.D.....	1878....	Barrie.
Frechette, Louis, LL.D.....	1881....	Montreal,
Freeland, Anthony, M.D.....	1889....	Quebec.
Freeman, Albert E., M.D.....	1887....	Inverary.
Froiland, Herman M., B.A., 1882; M.D.....	1883....	Toronto.
Fuller, William H., B.A., 1867; M.A.....	1873....	(Deceased.)
Funnell, Ada A., M.D.....	1887....	Hamilton.
Galbraith, John E., M.D.....	1880....	(Deceased.)
Gallagher, Morton, M.D.....	1887....	Campbellford.
*Gallagher, John, B.A.....	1878....	Pittsburgh.
Galligan, Thomas D., M.D.....	1886....	Brudenell.
4,5*Gandier, Alfred, B.A., 1884; M.A.....	1887....	Toronto.
Gardiner, Sidney H., B.A., 1887; M.D.....	1889....	Kingston.
Garrett, Richard W., M.D.....	1882....	Kingston. (Professor, Royal College.)
*Geddie, John, D.D.....	1866....	(Deceased.)
*Geikie, A. Constable, LL.D.....	1884....	Bathurst, N.S.Wales
*Geikie, John C., D.D.....	1871....	Barnstaple, England
Gerin, John, M.D.....	1872....	Auburn, N. Y.
Gibson, Albert E., M.D.....	1887....	Oakland, Iowa.
Gibson, Andrew M., M.D.....	1874....	(Deceased.)
Gibson, William J., B.A., 1884; M.D., 1881; M.A.....	1882....	Belleville.
Gildersleeve, James P., LL.B.....	1863....	Kingston.
Giles, John G., M.D.....	1860....	Brockville.
*Gill, Henry, D.D.....	1865....	England.
Gillies, George, B.A.....	1874....	Gananoque.
Gillies, Neil, M.D.....	1871....	Winnipeg.
Gillis, Angus B., M.D.....	1888....	Bass River, N.S.
3*Givan, Arpad, B.A.....	1883....	Williamstown.
12Givens, David A., B.A.....	1878....	Kingston.
Givens, Hannah A., B.A.....	1887....	Cornwall.
Givens, William R., B.A.....	1888....	Brownville, Maine.
Gleeson, James, M.D.....	1864....	(Deceased.)
*Glassford, Thomas S., B.A.....	1875....	Richmond, O.
Goold, Arthur J., B.A.....	1883....	
*Gordon, James, B.A., 1851; M.A.....	1854....	London.
Gordon, John G., B.A.....	1861....	
*Gow, Robert, B.A.....	1883....	Hartney, Man.
Gowan, James R., LL.D.....	1884....	Barrie.

Name.	Date of Graduation.	Address.
Graham, Hedley C. W., M.D.....	1889....	Portsmouth.
*Grant, Hugh R., B.A.....	1883....	Summerstown.
Grant, James A., B.A.....	1878....	Ottawa.
Grant, Norman M., B.A, 1886; M.D.	1889....	Stellarton, N.S.
*Grant, Peter, D.D.....	1868....	Dundee, Scotland.
*Grant, William, D.D.....	1883....	Shoalhaven, N.S.W.
Grasse, Sidney D., M.D.....	1864....	(Deceased.)
*Gray, John, B.A., 1873; M.A.....	1876....	Orillia.
Griffin, E. Scott, B.A.....	1889....	Kingston.
Gunsolus, Kenneth, M.D.....	1871	
Hackett, Joseph, M.D.....	1858....	(Deceased.)
Haig, Andrew, B.A, 1888; M.A....	1889....	Menie.
Hales, James, B.A.....	1888....	Forfar.
Halliday, Henry, B.A.....	1884....	Pembroke.
Hamilton, Andrew, B.A.....	1855 ...	(Deceased.)
Hamilton, David, M.D.....	1862....	Batavia, N.Y.
Hamilton, John A., B.A., 1878; M.D.	1886....	Singhampton.
Hanna, James E., M.D.....	1886....	North Gower.
Harding, William E., M.D.....	1888....	Brockville.
Harkness, Fred. B., M.D.....	1889....	Kingston.
Harkness, Thomas F., B.A.....	1862...	(Deceased.)
Harper, John M., B.A.....	1882	
Harrison, T. S., M.D.....	1869....	Selkirk.
Hart, John F., M.D.....	1887....	Prescott.
Hart, Michael W., M.D.....	1887....	Prescott.
*Hart, Thomas, B.A., 1860 ; M.A, 1868; B.D.....	1880....	Winnipeg. (Professor, Manitoba College.)
Hartwell, George E., B.A.....	1888....	Westport.
Harvie, William D., M.D.....	1889....	Galt.
Harvey, Albert E., M.D.....	1865....	Wyoming.
7Hay, Arthur G., B.A.....	1889....	Pinkerton.
4, 7, 13*Hay, John, B.A., 1882; B.D..	1885....	Campbellford.
Hay, William, B.A., 1883; M.D....	1887....	St. Lawrence, N.Y.
Heath, Frederick C., B.A., 1878 ; M.D.....	1886....	Brantford.
Heenan, Daniel, B.A.....	1849....	(Deceased.)
Heggie, David, M.D.....	1865....	Brampton.
Henderson, Donald, M.D.....	1858....	Winnipeg.
21Henderson, George F., B.A.....	1884....	Ottawa.
Henderson, Johnson, B.A.....	1885....	Wallbridge.
Henderson, Kenneth, M.D.....	1888....	Clyde River, P.E.I.
Henderson, William, M.D.....	1859....	(Deceased.)
*Henderson, William, D.D.....	1862 ...	(Deceased.)

Name.	Date of Graduation.	Address.
Henderson, William H., M.D.....	1879....	Kingston (<i>Professor, Royal College.</i>)
Hendry, George, M.D.....	1869....	(Deceased.)
²⁴ Herald, John, B.A., 1876; M.A. 1880; M.D.....	1884....	Kingston.
Herriman, Weston Leroy, M.D.....	1855....	Lindsay.
Herrington, Anthony W., M.D.....	1881....	(Deceased.)
Heslop, John E., M.D.....	1887....	Port Dover.
Hickey, Daniel C., M.D.....	1883....	Kingston.
Higgins, Edward M., M.D.....	1877....	Hamilton.
Higginbotham, William, M.D.....	1871....	Omeme.
Hilker, Adam E., MD.....	1889....	Port Elgin.
Hillier, Solomon C., M.D.....	1869....	Bowmanville.
Hillier, William, M.D.....	1855....	(Deceased.)
Hoare, Walter W., M.D.....	1864....	Strathroy.
Hodge, George, M.D.....	1870....	Mitchell.
*Hogg, John, D.D.....	1871....	(Deceased.)
Holdcroft, Joseph, M.D.....	1889....	Tweed.
Holdcroft, William T., B.A.....	1888....	Tweed.
Holmes, F. S. Leroy, M.D.....	1877....	Merrickville.
Hooper, Ebenezer, M.D.....	1885....	Kingston.
Hooper, Edmund J., B.A., 1858; M.A.....	1861....	Napanee.
Hooper, Josephine A., B.A.....	1885....	Kingston.
Hope, James A., B.A., 1862; M.A.	1865....	(Deceased.)
Horsey, Alfred, M.D.....	1865....	Ottawa.
Horsey, Edward H., M.D.....	1860....	Chicago.
Horsey, Edward H., M.D.....	1888....	Windsor, N.S.
³ Horsey, Herbert E., B.A., 1886; M.A.....	1887....	Montreal.
Horton, Robert N., M.D.....	1879....	Brockville.
Hossie, Thomas R., M.D.....	1879....	Gouverneur, N.Y.
Hourigan, Andrew R., M.D.....	1877....	Peterboro'.
Houston, William R., M.D.....	1871....	Chatham, O.
Howell, George W., M.D.....	1867....	Tweed, O.
Howells, Thomas B., M.D.....	1863....	(Deceased.)
Hubbs, Henry A.M, M.D.....	1877....	Bay City, Mich.
³ , ⁸ Hume, John P., B.A.....	1881....	Campbellford.
*Hunter, Alexander, B.A.....	1861....	(Deceased.)
⁵ Hunter, James McF., M.A.....	1883....	Barrie.
Hunter, Robert J., B.A.....	1888....	Millbrook.
Hutcheson, James, B.A.....	1881....	Brockville.
Hutchison, John, M.D.....	1886....	Meaford.
Ingersoll, Isaac F., M.D.....	1863....	Pictou.
Ireland, Charles F., B.A.....	1866....	Winnipeg.

Name.	Date of Graduation.	Address.
Irvine, William H., B.A.....	1877....	Kingston.
Irving, Lennox, B.A.....	1886....	Pembroke.
Irwin, Chamberlen A., M.D.....	1863....	Kingston.
<i>(Professor, Royal College.)</i>		
Jack, George G., M.D.....	1886	
James, Charles, M.D.....	1888....	Sylvan.
James, Michael, M.D.....	1887....	Brudenell.
Jamieson, Alexander, B.A.....	1863....	(Deceased.)
Jamieson, Archibald, M.D.....	1886	
Jamieson, David, M.D.....	1888....	Kars.
Jamieson, John, M.D.....	1881....	Pakenham.
Jamieson, Thomas J., M.D.....	1888....	Mountain.
*Jardine, Robert, B.A., 1863; M.A., 1866; B.D.....	1886....	Prince Albert, Sask.
Jarvis, Charles E., M.D.....	1882....	London.
*Jenkins, Ebenezer E., LL.D.....	1889....	London, England.
*Johnson, Frederick W., B.A.....	1886....	Chaumont, N.Y.
Johnson, William, B.A., 1849; M.A.....	1852....	Regina, Assini.
Johnston, Absalom H. J., M.D.....	1862....	Brockville.
Johnston, David A., M.D.....	1881....	(Deceased.)
Johnston, Joshua R., B.A.....	1882....	Carleton Place.
Johnstone, David, M.D.....	1868....	Kincardine.
Johnstone, William H., M.D.....	1889....	Kingston.
Jones, Henry M., M.D.....	1866....	Marmora.
Jones, John, M.D.....	1874....	Kemptville.
Joy, Sylvanus, M.D.....	1857....	Tilsonburg.
Judson, George W., M.D.....	1879....	Lyn.
Kahkewaquonaby, M.D.....	1866....	Hagersville.
Kalbfleish, Frederick H., M.D.....	1888....	Neustadt.
Kay, William, M.A.....	1855....	Goderich.
Kellock, John D., M.D.....	1862....	Perth.
Kelly, David, M.D.....	1861....	(Deceased.)
Kelly, Edward J., M.D.....	1861....	Ottawa.
Kelly, John J., B.A.....	1888....	Belleville.
Kelly, T. Webster, B.A.....	1886	
*Kemp, Alexander F., LL.D.....	1871....	(Deceased.)
Kemp, James A., M.D.....	1861....	(Deceased.)
Kennedy, Alexander, M.D.....	1873....	Port Arthur.
Kennedy, Jacob, M.D.....	1876....	Sackville, N.B.
Kennedy, John D., B.A.....	1885....	Pembroke.
Kennedy, Roderick, M.D.....	1863....	Bath.
Kennedy, William B., M.D.....	1878....	Chattenham.
Kertland, Edwin H., M.D.....	1865....	Toronto.

Name.	Date of Graduation.	Address.
²⁴ Kidd, John F., M.D.....	1883....	Ottawa.
Kidd, Edward, M.D.....	1871....	Picton.
Kidd, Peter E., M.D.....	1878....	Midland City.
Kidd, William J., B.A.....	1887....	Carp.
sKilborn, Omar L., B.A., 1888; M.A., 1889; M.D.....	1889....	Toledo.
Kilborn, Roland, M.D.....	1879....	Toledo, O.
Kincaid, Robert, M.D.....	1863....	Peterboro'.
King, Francis, B.A.....	1889....	Kingston.
Kingsford, William, C.E., LL.D....	1889....	Ottawa.
Kirk, Fred. James, B.A.....	1888....	Kingston.
¹² Knight, Archibald P., B.A., 1872; M.A.....	1875....	Kingston.
Knight, John H., M.D.....	1880....	Amherstburg.
Knox, Henry, M.D.....	1882....	Shawville, Que.
Koyl, Frederick T., M.D.....	1882....	Ada, Minn.
Koyle, Frank H., M.D.....	1888....	Brockville.
Kyle, William A., M.D.....	1885....	Manotic.
Lafferty, James, M.D.....	1871....	Calgary, Alberta.
Lafferty, William A., M.D.....	1879....	(Deceased.)
Laidlaw, Alexander R., M.D.....	1857....	(Deceased.)
Lake, Charles B., M.D.....	1866....	Ridgetown.
Lambert, Robert, M.D.....	1859....	Windsor.
Lane, Isaac J., M.D.....	1886....	Mallorytown.
Lane, Joseph W., M.D.....	1875....	Mallorytown.
Lanfear, Henry O., M.D.....	1889....	Newburg.
*Lang, George R., B.A.....	1885....	Admaston.
¹² *Lang, William A., B.A., 1873; M.A.....	1876....	(Deceased.)
Langill, Paul F., B.A.....	1881....	Qu'appelle Station.
Lavell, Charles H., M.D.....	1873....	(Deceased.)
Lavell, Harry A., B.A.....	1888....	Kingston.
¹² Lavell, John R., B.A.....	1877....	Smith's Falls.
Lavell, Michael, M.D.....	1863....	Kingston.
<i>(President, Women's Medical College.)</i>		
Lavell, William A., M.D.....	1881....	Smith's Falls.
Lawlor, Michael, M.D.....	1857....	(Deceased.)
Lawyer, Annie, M.D.....	1888....	Ottawa.
Leask, Harry, B.A.....	1888....	Orillia.
Leavitt, Arvan S., M.D.....	1869....	Toronto.
Lennox, David, B.A.....	1861....	
Leonard, Raymond, M.D.....	1879....	Napanee.
Lett, Ralph M., B.A.....	1889....	St. Thomas.
*Lewis, Lewis, B.A.....	1881....	Derby, Eng.

Name.	Date of Graduation.	Address.
Lewis, Frederick, M.D.	1878	Orangeville.
*Lindsay, John, B.A., 1852; M.A.	1854	(Deceased.)
*Lindsay, Peter, B.A.	1851	Toronto.
4*Linton, Adam R., B.A., 1881; B.D.	1885	Teeswater.
Litchfield, John P., M.D.	1863	(Deceased.)
Little, William C., M.D.	1889	Barrie.
*Livingston, John, B.A.	1857	(Deceased.)
Livingstone, John S., M.D.	1888	Belleville.
*Livingston, Peter S., B.A.	1870	(Deceased.)
Livingstone, Marion, M.D.	1887	Kingston.
*Lochead, John S., B.A., 1861; M.A.	1863	Parkhill.
Lochhead, Lachlin T., B.A.	1888	Cananadaigua, N.Y.
1, 18Logie, Wm. A., B.A., 1887; M.A.	1888	Hamilton.
Lorne, Most Noble the Marquis of, LL.D.	1879	Inverary Castle.
*Love, Andrew T., B.A.	1878	Quebec.
Lunam, Henry, B.A.	1870	Campbellton, N.B.
Lynch, Dennis P., M.D.	1878	Almonte.
Lyon, Horatio V., B.A.	1885	Kingston.
Mabee, Curtis O., M.D.	1888	Odessa.
Mabee, James E., M.D.	1887	Odessa.
Machar, John M., B.A.	1857	Kingston.
Madden, John H., B.A.	1889	Delta.
Mahood, Perry, B.A.	1889	Kingston.
Mair, Alexander, B.A.	1851	Markham.
Malloch, Archibald E., B.A., M.D.	1862	Hamilton.
Malloch, Edward G., B.A.	1860	Perth.
Malloch, George, B.A.	1865	Arnprior.
Malloch, George W., B.A.	1850	Paisley, Ont.
Mallory, Charlie N., M.D.	1886	Escott.
*Mann, Alexander, D.D.	1876	(Deceased.)
Mann, James, M.D.	1869	Renfrew.
Mark, Robert, M.D.	1867	Ottawa.
4, 13Marshall, John, B.A., 1886; M.A.	1889	Cornwall.
Mason, James W., B.A.	1878	(Deceased.)
Massie, John, M.D.	1865	(Deceased.)
Masson, Thomas, M.D.	1875	Cape Vincent.
Mather, William M., M.D.	1886	Consecon.
Matheson, Murdoch, M.D.	1870	Waverley, N.S.W.
Mattice, William D., B.A.	1847	(Deceased.)
Mavety, Alex. C., M.D.	1889	Railton.
Maxwell, William J., M.D.	1888	Bishop's Mills.
May, John, B.A., 1857; M.A.	1861	Winnipeg.
Maybee, Millard, M.D.	1887	Milford.
Meadows, R. W., M.D.	1862	H. M. Service.

Name.	Date of Graduation.	Address.
Meagher, Daniel, M.D.....	1867....	Montreal.
*Meikle, William, B.A.....	1881	
Mellow, Samuel S., M.D.....	1886....	Bath.
Mercer, John F., M.D.....	1855....	(Deceased.)
Miller, John, B.A.....	1886....	Peterboro'.
Miller, Lindsay F., M.D.....	1877....	Toronto.
Miller, Thomas, B.A.....	1852....	Milton.
Miller, Thomas, B.A., M.D.....	1854....	Hamilton.
*Milligan, George, B.A.....	1862....	Toronto.
Milliner, William S., M.D.....	1864....	Oswego, N.Y.
Mills, John H., B.A.....	1889....	Lindsay.
Mills, William G., B.A.....	1885....	Sunderland.
Milne, James W. H., B.A.....	1887....	Mansewood.
3Minnes, Robert S. B.A.....	1889....	Kingston.
Minor, Silas, M.A.....	1865....	(Deceased.)
Mitchell, Elizabeth S., M.D.....	1888....	Montreal.
2Mitchell, George W., B.A.....	1885....	Glasgow, Scotland.
Moore, Andrew, M.D.....	1865....	(Deceased.)
*Moore, John, B.A.....	1881....	Allenford.
Moore, Thomas A., M.D.....	1883....	Westville, N.S.
Moore, Vincent H., M.D.....	1870....	Brockville.
Morden, Gilbert W., B.A.....	1888....	Ridgetown.
Morden, James B., M.D.....	1865....	Pictou.
Morden, John H., M.D.....	1859....	(Deceased.)
Morden, Wilson S., B.A.....	1888....	Allisonville.
Mordy, Alfred G., M.D.....	1882....	Ashton.
*Mordy, John, B.A., 1875; M.A....	1878....	Niagara Falls.
Morris, Alexander C., B.A.....	1882....	Toronto.
Morris, William, B.A.....	1882....	Toronto.
*Morrison, Duncan, B.A., 1866; M.A.	1868....	Owen Sound.
Morrison, Duncan, B.A.....	1862....	Owen Sound.
Mostyn, William, M.D.....	1858....	(Deceased.)
Mowat, Herbert M., B.A., 1881; LL.B.....	1886....	Kingston.
*Mowat, John B., B.A.; 1845; M.A.	1847....	Kingston.
		(Professor, Queen's College.)
Mowat, Oliver, LL.D.....	1872....	Toronto.
Muckleston, John S., B.A.....	1865....	Kingston.
Mudie, John, B.A.....	1863....	Kingston.
Muir, James, B.A.....	1861....	Victoria, B.C.
*Muir, James B., B.A., 1865; M.A.	1869....	Huntingdon, Q.
*Muir, James C., D.D.....	1858....	(Deceased.)
*Muir, Peter D., B.A.....	1856....	(Deceased.)
Mullan, Nathaniel S., B.A.....	1885....	New York.

Name.	Date of Graduation.	Address.
Mundell, David E., B.A., 1883; M.D. 1886....	Kingston.	
<i>(Professor of Practical Anatomy, Royal College.)</i>		
Mundell, John, M.D.....	1886....	Kingston.
Mundell, William, B.A.....	1875....	Kingston.
Munro, David, M.D.....	1867....	Perth.
Munro, John C., M.D.....	1867....	South Finch.
Murphy, John B., M.D.....	1876....	Belleville.
*Murray, Isaac, D.D.....	1876....	Vale Colliery, N. S.
*Murray, James, B.A., 1882; B.D....	1884....	Hamilton.
*Murray, Robert C., B.A.....	1882....	(Deceased.)
Macadam, Samuel T., M.D.....	1873....	Pembroke.
*Macalister, John, B.A.....	1865....	Iroquois.
Macarthur, James, B.A., 1875; M.D..	1878....	London.
Macarthur, Duncan, B.A.....	1878....	Ailsa Craig.
*Macauley, Evan, B.A.....	1864....	Crieff.
*Macdonald, Alexander, B.A.....	1861....	Duntroon.
Macdonald, Alex. R., M.D.....	1858....	Brighton.
*Macdonald, Clinton D., B.A.....	1886....	Thorold.
Macdonald, Colin, B.A.....	1855....	(Deceased.)
*Macdonald, Donald, B.A.....	1854....	(Deceased.)
*Macdonald, Duncan, B.A., 1859;		
M.A.....	1863....	Carleton Place.
Macdonald, Herbert S., B.A., 1859;		
M.A.....	1861....	Brockville.
⁴ Macdonald, George, B.A., 1878,		
B.Sc.	1878....	Toronto.
Macdonald, Hugh N., M.D.....	1881....	Port Hawkes'by, N.S
Macdonald, Sir John A., LL.D....	1863....	Ottawa.
Macdonald, John A., M.D.....	1862....	Port Arthur.
Macdonald, Patrick A., B.A.....	1876....	Winnipeg.
Macdonnell, Æneas J., B.A.....	1884....	Morrisburg.
*Macdonnell, Daniel J., B.A., 1858 ;		
M.A.....	1860....	Toronto.
Macdonnell, George M., B.A.....	1860....	Kingston.
Macdonnell, John M., B.A.....	1868....	(Deceased.)
Macfarlane, Andrew K. H., B.A....	1888....	Tacomo, W. T.
Mackie, Daniel H., M.D.....	1884....	Belleville.
*Mackenzie, Archibald A., B.A.,		
1877; B.Sc., 1877 ; M.A....	1888....	Brookfield, P.E.I.
*Mackerras, John H., B.A., 1850 ;		
M.A.....	1852....	(Deceased.)
*Maclean, Matthew W., B.A., 1869;		
M.A.....	1872....	Belleville.
*MacLennan, Alexander, B.A.....	1857....	(Deceased.)

Name.	Date of Graduation.	Address.
MacLennan, Donald, B.A., 1848 ; M.A.....	1862	
MacLennan, Donald B., B.A., 1857; M.A.....	1861....	Cornwall.
MacLennan, Findlay M., B.A.....	1879....	(Deceased.)
MacLennan, James, B.A., 1849 ; LL.D.....	1885....	Toronto.
MacLennan, James J., B.A.....	1887....	Port Hope.
MacLennan, John, B.A.....	1855....	Lindsay.
*MacLennan, Kenneth, B.A., 1849 ; M.A.....	1868....	Whitby.
MacLennan, Roderick J., B.A.....	1884....	Toronto.
*MacLennan, William, B.A., 1864 ; M.A.....	1866....	(Deceased.)
Macmillan, Duncan, B.A.....	1857....	London.
*Macnab, Finlay F., B.A.....	1859....	Arnprior.
*Macnaughton, James P., B.A.....	1884....	Smyrna, Turkey.
Macnee, James H., B.A.....	1885	Toronto.
Macnee, Peter C., B.A.....	1873....	Picton.
Macpherson, Alexander, M.D.....	1862....	(Deceased.)
Macpherson, Henry, B.A.....	1851....	Owen Sound.
Macpherson, James P., B.A., 1857; M.A.....	1865....	Ottawa.
*Macrae, Donald, D.D.....	1881....	St. John, N.B.
*McArthur, George, B.A.....	1881....	Cardinal, O.
McArthur, John A., B.A.....	1880....	Davenport, Wash. Ter.
*McAulay, Alexander, B.A.....	1883....	McDonald's Corners
McBain, Alexander, B.A., 1860 ; M.A.....	1862....	(Deceased.)
McBain, Alexander G., B.A.....	1865....	Montreal.
†McCallum, Archibald B., B.A., 1880; M.A.....	1881....	Toronto.
McCammon, C. G., M.D.....	1884....	Clifton Springs, N.Y.
McCammon, Fred. J., B.A.....	1889....	Kingston.
McCammon, James, M.D.....	1863....	(Deceased.)
McCammon, James A., M.D.....	1879....	Gananoque.
McCammon, Samuel H., M.D.....	1888....	Kansas City.
*McCannell, Donald, B.A.....	1878....	(Deceased.)
McCardel, Edward J., M.D.....	1886....	
*McCaul, James, B.A.....	1859....	Glasgow, Scotland.
11McClement, Wm. T., B.A., 1888; M.A.....	1889....	Kingston.
McColl, Allan E., B.A.....	1885....	Kingston.
*McColl, Evan C. W., B.A.....	1886....	Middleville.
McConnell, Benjamin J., M.D.....	1881....	Nelson, Man.
McConville, Isobel, M.D.....	1889....	Kingston.

Name.	Date of Graduation.	Address.
McCormack, Joseph, B.A.....	1879....	Landsdowne.
McCracken, John I., B.A.....	1874....	Ottawa.
McCuaig, Herbert M., B.A.....	1884....	Richmond Hill.
McCulloch, Andrew, B.A., 1871 ; M.A.....	1874....	Thorold.
McCullough, William P., M.D.....	1888....	Dundalk.
McCullough, William S., M.D.....	1879....	(Deceased.)
McDonald, John A., B.A.....	1888....	Blakeney.
McDowell, Charles, B.A.....	1877....	Renfrew.
McDowell, James A., B.A.....	1867....	Sarnia.
*McEwen, James, B.A., 1852 ; M.A.	1854....	Hamilton.
McEwen, Ewen, M.D.....	1887....	Franktown.
McEwen, John, B.A.....	1887....	Franktown.
McGhie, George S., M.D.....	1883....	Elgin.
*McGillivray, Alexander, D.D.....	1858....	(Deceased.)
⁸ McGillivray, Alice, M.D.....	1884....	Kingston. (<i>Professor, Women's Medical College.</i>)
*McGillivray, Daniel, B.A.....	1864....	London.
McGillivray, Farquahar, B.A.....	1852....	Ottawa.
*McGillivray, Malcolm, B.A., 1872 ; M.A.....	1874....	Kingston.
McGillivray, Neil J., B.A.....	1848....	(Deceased.)
McGillivray, T. Shannon, M.D....	1888....	Kingston.
McGrath, Edward, M.D.....	1888....	Campbellford.
McGrath, Michael E., M.D.....	1889....	Sunbury.
McGregor, Peter C., B.A.....	1866....	Almonte.
*McGregor, P. G., D.D.....	1876....	(Deceased.)
¹² McGuire, Thomas H. B.A.....	1870....	Prince Albert, Sask.
²³ McGuirl, Thomas H., B.A.....	1886....	Ottawa.
McGurn, Joseph S., M.D.....	1881....	(Deceased.)
¹² McIntyre, Donald M., B..A.....	1874....	Kingston.
McIntyre, Duncan, M.D.....	1864....	Wardsville.
McIntyre, John, B.A.....	1847....	(Deceased.)
McIntyre, J., B.A., 1861 ; M.A.....	1872....	Kingston.
McKay, Donald G., B.A.....	1865....	(Deceased.)
*McKay, George L., D.D.....	1880....	Tamsui, Formosa.
McKay, John, B.A.....	1888....	St. Raphael's West.
¹² , ²⁰ McKay, Matthew W., B.A.....	1879....	Pembroke.
*McKay, Roderick, B.A., 1881 ; B.D.	1886....	Bromley.
*McKay, William E., B.A.....	1856....	(Deceased.)
*McKee, William, B.A.....	1872....	Alliston.
McKellar, Dugald, M.D.....	1855....	(Deceased.)
McKenzie, Andrew, M.D.....	1862....	(Deceased.)
McKenzie, Archibald, B.A.....	1888....	Tiverton.

Name.	Date of Graduation.	Address.
McKenzie, Edward, M.D.....	1860....	Smith's Falls.
McKenzie, John M., B.A.....	1856....	Sarnia.
⁴ McKenzie, Malcolm, B.A.....	1887....	Tiverton.
*McKinnon, Malcolm, B.A.....	1885....	Eldon.
*McKinnon, John, B.A., 1886; M.A. 1889; B.D.....	1889....	Roslin.
McKillop, Alexander, B.A.....	1877 ...	Montreal.
*McKillop, Charles, B.A.....	1875....	Lethbridge, Man.
McKillop, James T., M.D.....	1889....	Beachburg.
*McLachlan, Alexander, B.A.....	1885....	Tarsus, Turkey.
McLaughlin, Edward, M.D.....	1886....	Harrowsmith.
McLaren, Alexander, M.D.....	1865....	Lancaster.
*McLaren, Ebenezer D., B.A., 1870; M.A., 1873; B.D.....	1873....	Vancouver.
McLaren, James, B.A.....	1850....	Nelson, O.
McLaren, John, B.A.....	1860....	(Deceased.)
¹² McLaren, John Brown, B.A.....	1876....	Morden, Man.
McLaren, Peter, B.A.....	1854....	(Deceased.)
McLaren, Peter, LL.D.....	1868....	(Deceased.)
McLaren, Peter, B.A.....	1669....	Orms town.
McLaren, William, D.D.....	1883....	Toronto. (Professor, Knox College.)
*McLean, Alexander, B.A.....	1878....	(Deceased.)
McLean, Caird R., M.D.....	1859....	Meaford.
*McLean, Donald J., B.A.....	1855....	Arnprior.
McLean, James M., B.A.....	1887....	Strathlorne.
McLean, Solomon C., M.D.....	1874....	Spencerville.
McLean, Thomas F., M.D.....	1863....	Goderich.
McLennan, Alexander S., M.D.....	1873....	Chicago.
⁶ McLeod, Alexander, B.A.....	1833....	Mentona, Man.
McLeod, James A. F., B.A.....	1854....	N. W. Territory.
*McLeod, John, B.A.....	1883....	Richmond, Que.
^{4, 7, 15} McLeod, Peter A., B.A.....	1887....	Baddeck, C. B.
McMahon, James, M.D.....	1878....	Texarkana, Texas.
McMillan, Hugh H., B.A.....	1880....	Dakota.
*McMillan, J., B.A., 1862; B.D....	1865....	Halifax.
*McMoline, John, D.D.....	1865....	(Deceased.)
*McMoline, John K., B.A., 1859; M.A.....	1863....	Kingston.
*McMoline, Samuel, B.A., 1865; M.A.....	1872....	Portage La Prairie.
McMurchy, Archibald, M.D.....	1883....	Chapleau, Algoma.
McMurchy, Archibald, B.A.....	1875....	Nipissing.
McNichol, Eugene C., M.D.....	1877....	Cobourg.

Name.	Date of Graduation.	Address.
*McPhaden, Hugh, B.A.....	1881....	Manilla.
McPhadden, Murdoch, M.D.....	1880....	Belwood.
McPhail, Donald G., B.A.....	1889....	McPhail, Ont.
McRae, Thomas W. R., B.A.....	1886....	Belleville.
*McTavish, Alexander, B.A.....	1882....	Chater, Man.
6, 17, 20, 24*McTavish, Dan., B.A, 1881;		
M.A., 1882; D.Sc.....	1885....	Toronto.
McTavish, Duncan B., B.A., 1870;		
M.A.....	1873....	Ottawa.
*McQuarrie, Alex. R., B.A.....	1862....	Burlington, Vt.
McVety, Albert F., M.D.....	1886....	Kingston.
*Nairn, Robert, B.A.....	1879....	Rat Portage.
*Neill, Robert, D.D.....	1872....	Burnbrae.
*Nelles, Samuel S., D.D.....	1861....	(Deceased.)
Neish, James, M.D.....	1865....	Kingston, Jamaica.
Neish, William D., M.D.....	1887....	Old Harbour, Jam.
Nesbit, Edward, M.D.....	1868....	(Deceased.)
Newlands, George, M.D.....	1879....	Litchfield.
Newlands, Isaac, B.A.....	1884....	Kingston.
Newton, John, M.D.....	1866....	Deseronto.
Nichol, James, M.D.....	1863....	(Deceased.)
*Nicholson, Alex. B., B.A.....	1867....	Kingston.
<i>(Assistant Professor and Lecturer, Queen's College.)</i>		
8, 11, 14, 23Nicol, William, B.A.....	1883....	Guelph.
*Nimmo, John H., B.A., 1867; M.D.	1886....	Birmingham, O.
*Nish, James, D.D.....	1881....	Sandhurst, Victoria.
*Niven, David P., B.A.....	1867....	Dromore.
Noel, John V., B.A.....	1863....	(Deceased.)
Northmore, Harold S., M.D.....	1889....	Cataraqui.
Nugent, Andrew, B.A.....	1876....	Ottawa.
Odium, John, M.D.....	1880....	Sparta.
Ogilvie, Nettie, M.D.....	1880....	Kingston, Jamaica.
Oldham, Edmund, M.D.....	1881....	Chatsworth.
Oliver, Alfred S., M.D.....	1863....	Kingston.
<i>(Professor, Royal College and Women's Medical College.)</i>		
Oliver, John K., M.D.....	1868....	(Deceased.)
Oliver, Marion, M.D.....	1886....	Indore, India.
<i>(Medical Missionary.)</i>		
O'Loughlin, Robert S., B.A., 1865;		
M.A.....	1873....	New York.
O'Neil, Thomas, M.D.....	1888....	Trenton.
O'Reilly, Anthony, M.D.....	1861....	(Deceased.)
6O'Reilly, James R., B.A.....	1882....	Prescott.
O'Shea, James, M.D.....	1881....	Campbellford.

Name.	Date of Graduation.	Address.
O'Sullivan, John, M.D.....	1868....	(Deceased.)
*Oxley, Malcolm S., B.A.....	1878....	Montreal.
Page, Thomas A., M.D.....	1883....	Brockville.
²Parker, Frank R., B.A.....	1887....	Kemptville.
Parker, Robert, M.D.....	1861....	Stirling.
Patterson, James A., M.D.....	1889....	Port Elgin.
Patterson, Richard L., M.D.....	1885....	Langford.
*Patterson, Andrew, B.A.....	1884....	Eganville.
Patterson, James R., M.D.....	1867....	Port Elgin.
*Patterson, Gilbert C., B.A., 1878; M.A.....	1880....	Chiliwhack, B. C.
³, 13Patterson, William J., B.A.....	1888....	Maxwell.
Perrault, Julien, M.D.....	1857....	San Francisco, Cal.
*Perrin, Louis, B.A.....	1884....	Kirkfield.
Phalen, Ronald M., B.A.....	1889....	Cape Breton.
Phelan, Daniel, M.D.....	1877....	Kingston.
<i>(Professor, Women's Medical College.)</i>		
Pirie, Alexander F., M.D.....	1887....	Cartego.
Pirie, Edwin, B.A.....	1888....	Dundas.
Pirie, Henry H., B.A.....	1887....	Dundas.
Pitbaldo, Colin, M.D.....	1886	
*Pollock, Peter M., B.A.....	1881....	Scotland.
*Pollok, Allan, D.D.....	1877....	Halifax.
<i>(Professor, Theological Hall.)</i>		
Pope, Stephen D., B.A.....	1861....	Victoria, B.C.
Potter, Levi, M.D.....	1870....	Enniskillen
Potter, Samuel, M.D.....	1875....	Grove's Corners.
Potter, Thomas, M.D.....	1876....	Ottawa.
Pratt, William F., M.D.....	1888....	Ottawa.
Pratt, Wilton, M.D.....	1888....	Toledo.
Preston, Richard, M.D.....	1875....	Carleton Place.
Preston, Robert H., M.D.....	1864....	Newboro'.
Price, Corneilus V., LL.B.....	1863....	Kingston.
Price, Robinson B., M.D.....	1866....	Kingston.
*Pringle, John, B.A.....	1875....	Port Arthur.
Pringle, Robert H., B.A.....	1882....	Brampton.
Purdy, Alvanly N., M.D.....	1873....	Dunlop, Texas.
Purdy, Charles W., M.D.	1869....	Chicago.
Ramsay, Robert, M.D.....	1861....	(Deceased.)
Rankin, William H., M.D.....	1889....	Collinsby.
Ramstead, William, M.D.....	1887....	Ottawa.
Rathbun, Herbert B., B.A.....	1883....	Deseronto.
13Rattray, James, B.A.....	1887....	Portsmouth.
Reddon, John A., B.A.....	1889....	Mildmay.

Name.	Date of Graduation.	Address.
Reeve, Richard A., M.D.....	1865....	Toronto.
Reeve, Henry H., M.D.....	1880....	Almonte.
Reeve, John L., M.D.....	1882....	Clinton.
*Reid, William, D.D.....	1876....	Toronto.
Reid, W. D., M.D.....	1880....	Montpelier, Vt.
Reily, Adrian, M.D.....	1862....	Welland.
Renaud, Allan C., B.A.....	1864....	Montreal.
Reynolds, Helen E., M.D.....	1885....	Toronto.
Ritchie, George, B.A., 1873; B.Sc.	1878....	Toronto.
Robertson, Donald M., B.A.....	1886....	Toronto.
Robertson, John W., M.D.....	1888....	Hopewell, N.S
Robertson, Miles S., B.A.....	1884....	Violet.
Robinson, Andrew, M.D.....	1889....	Kingston.
Robinson, Robert P., M.D.....	1888....	Carleton Place.
Roche, William P., M.D.....	1860....	(Deceased.)
Rockwell, Albert, M.D.....	1868....	Frankford.
Rockwell, Ashbel S., M.D.....	1872....	Rochester, N.Y.
Rogers, R. Vashon, B.A.....	1861....	Kingston.
Rogers, David H., M.D.....	1881....	Lindsay.
Rollo, James, B.A.....	1852....	Toronto.
Roose, E. C. Robson, LL.D.....	1889....	London, Eng.
Rose, George S., B.A., 1852; M.D.	1860....	(Deceased.)
Ross, Alex. H. D., B.A., 1888; M.A.	1889....	Kingston.
*Ross, Donald, B.A., 1860; M.A., 1862; B.D.....	1863....	Kingston. (<i>Professor, Queen's College.</i>)
Ross, George S., B.A.....	1856	
*Ross, James, D.D.....	1864....	(Deceased.)
*Ross, James, B.A., 1878; M.A., 1881; B.D.....	1881....	Perth.
Ross, John Reid, B.A.....	1862	
Ross, Thomas K., M.D.....	1863....	Fredonia, N. Y.
*Ross, Walter, B.A., 1859; M.A....	1862....	(Deceased.)
Ross, William A., B.A.....	1855....	Ottawa.
*Romanes, George, LL.D.....	1866....	(Deceased.)
Rothwell, William, B.A.....	1881....	Dutton.
Rourke, Francis, M.D.....	1872....	Dublin, Ont.
Rowse, Mark R., B.A.....	1870....	Bath.
Roy, Henry, M.D.....	1885....	Chisholm.
Russell, Donald B., M.D.....	1885....	Mankato, Minn.
Russell, E. Howard, B.A.....	1889....	Douglastown.
Russell, Samuel, B.A.....	1882....	Deseronto.
Ruttan, Joseph B., M.D.....	1863....	Wellington.
Rutherford, David B., M.D.....	1882....	Morrisburg.

Name.	Date of Graduation.	Address.
Rutherford, James, M.D.	1870....	Orono.
Sands, Ernest, M.D.	1889....	Sunbury.
Saunders, Herbert J., M.D.	1869....	Kingston.
<i>(Professor, Royal College and Women's Med. College.)</i>		
Saunders, Lawrence, M.D.	1868....	(Deceased.)
Sayers, Alexander, M.D.	1870....	Marion, N. Y.
Scales, Thomas, B.A., 1878; M.D.	1887....	Kingston.
*Scott, Alexander H., B.A., 1875;		
M.A.	1878....	Perth.
⁸ Scott, Colin A., B.A.	1885....	Ottawa.
Scott, Patrick J., M.D.	1888....	Southampton.
Scott, Thomas B., B.A.	1888....	Belleville.
Scott, Thomas R., B.A.	1888....	Aurora.
Scott, William S., M.D.	1855....	Southampton.
Scovill, Simmons, M.D.	1877....	Rat Portage.
Searls, Abraham W., M.D.	1864....	(Deceased.)
*Sedgwick, Robert, D.D.	1878....	(Deceased.)
Shannon, John R., B.A.	1885....	Kingston.
Shannon, Lewis W., B.A.	1877....	Kingston.
Shannon, Robert W., B.A., 1875;		
M.A.	1879....	Kingston.
Shaw, John M., B.A., 1883; M.D.	1886....	Mallorytown.
Shaw, Robert, B.A.	1873....	Kingston.
*Sheraton, James P., D.D.	1882....	Toronto.
<i>(President, Wycliffe College.)</i>		
⁶ Shibley, Henry T., B.A.	1881....	Kingston.
Shier, James, B.A.	1863	
Shirley, Joseph W., M.D.	1863....	Watford.
^{4, 13, 22} Shortt, Adam, B.A., 1883; M.A.	1884....	Kingston.
<i>(Librarian and Lecturer in Political Science, Queen's College.)</i>		
^{8, 11} Shorey, Edmund C., B.A., 1886;		
M.A.	1867....	Kingston.
Shurie, Josiah S., B.A.	1889....	Trenton.
*Sieveright, James, B.A.	1855....	Huntsville.
Sieveright, James A., M.D.	1870....	(Deceased.)
Simpson, James, B.A.	1864	
Sinclair, Robert C. H., B.A.	1888....	Carleton Place.
Skinner, Henry, M.D.	1862....	(Deceased.)
Skinner, John S., B.A.	1883....	Toronto.
Smellie, Donald McK., M.D.	1888	Chesley.
*Smellie, George, D.D.	1885....	Fergus.
Smith, Alexander L., B.A.	1883....	Alexandria.
Smith-Shortt, Elizabeth, M.D.	1884....	Kingston.
<i>(Professor, Women's Medical College.)</i>		

Name.	Date of Graduation.	Address.
Smith, Frederick B., M.D.....	1886....	Watertown, N. Y.
Smith, George, M.D.....	1858....	(Deceased.)
Smith, Gordon J., B.A.....	1886....	Peterborough.
*Smith, James C., B.A., 1861; M.A., 1863; B.D.....	1880....	Guelph.
*Smith, James F., M.D.....	1888....	Honan, China. (<i>Medical Missionary.</i>)
Smith, John R., M.D.....	1863....	(Deceased.)
Smith, Robert A., M.D.....	1883....	Manotick.
*Smyth, William J., B.A.....	1881....	Montreal.
Snider, Elias T., M.D.....	1889....	Odessa.
Snider, Samuel H., M.D.....	1881....	Carman, Man.
Snook, Marcus S., B.A.....	1881....	(Deceased.)
*Snowdon, John M., B.A.....	1885....	Billings' Bridge.
Somerville, James A., B.A., 1858; M.D.....	1866....	Menamance, Mich.
*Somerville, James H., B.A.....	1881....	Detroit.
²⁴ Spankie, William, B.A, 1882; M.D..	1885....	Wolfe Island.
Spafford, H. W., M.D.....	1855....	(Deceased.)
Sparham, George S., M.D.....	1859....	Kemptville.
Spear, Hugh, M.D.....	1878....	Toronto.
*Spence, Alexander, D.D.....	1864....	(Deceased.)
Spencer, Henry, M.D.....	1862....	(Deceased.)
Spooner, George D., M.D.....	1860....	(Deceased.)
Spooner, Hiram S., M.D.....	1869....	Sutton.
Spooner, Margaret M., B.A.....	1886....	Riverside, Cal.
Sproat, Alexander, B.A.....	1853....	Prince Albert, Sask.
Squire, William W., B.A., 1854; M.A.....	1864....	(Deceased.)
*Steele, Jacob, B.A., 1883; B.D....	1889....	Burnbrae.
Stevenson, Alex. J., B.A.....	1882....	Minden.
*Stevenson, John F., D.D.....	1880....	London, Eng.
Stewart, Alexander, M.D.....	1889....	Renfrew.
Stewart, Alexander J., M.D.....	1869....	Angus.
Stewart, Daniel W., B.A.....	1884....	Renfrew.
Stewart, John M., M.D.....	1882....	Chesley.
³ Stewart, William, B.A.....	1879....	Toronto.
Stirling, James A., M.D.....	1885....	Picton.
Stirling, John E., M.D.....	1884....	
Storms, Douglas G., M.D.....	1886....	Hamilton.
Stowell, Olmsby O., M.D.....	1869....	
Strachan, Daniel, B.A.....	1889....	Rockwood.
Strange, John, B.A., 1887; LL.B...	1883....	Kingston.
*Stuart, James G., B.A.....	1876....	Balderson, O.

Name.	Date of Graduation.	Address.
Stuart, Irwin, B.A.....	1870....	(Deceased.)
Sturgeon, Robert J., B.A.....	1887....	Bradford.
Sullivan, Hon. Michael, M.D.....	1858....	Kingston.
<i>(Professor, Royal College and Women's Medical College.)</i>		
Sullivan, Thomas, M.D.....	1863....	(Deceased.)
Sullivan, William, B.A.....	1862....	Kingston.
Sutherland, Robert, B.A.....	1852....	(Deceased.)
Sweetland, John, M.D.....	1858....	Ottawa.
Switzer, Wilson I., M.D.....	1862....	(Deceased.)
Symington, Thomas J., M.D.....	1881....	Camlachie.
Tarbell, Horace S., B.A.....	1862	
Tassie, William, LL.D.....	1871 ...	(Deceased.)
Taylor, James, M.D.....	1864....	Tara.
Taylor, William F., M.D.....	1861...	Brisbane, Queensland
Thibodo, Augustus J., B.A.....	1854....	Prescott, Arizona.
Thibodo, Oliver, M.D.....	1857....	Phoenix, Arizona.
Thibodo, Robert, B.A, 1862; M.D...	1862....	Winnipeg.
Thibodo, William B., B.A., 1862; M.A.....	1865....	Winnipeg.
Thirkell, William G., M.D.....	1861....	Sodus, N.Y.
Tillman, Harry G., M.D.....	1889....	Jamaica.
Thompson, Hiram B., M.D.....	1888....	Barrie.
*Thompson, George, B.A.....	1863....	Scotland.
*Thompson, George M., B.A.....	1878....	Glasgow, Scotland.
Thompson, John, B.A.....	1855....	(Deceased.)
*Thompson, John R., B.A.....	1865....	Vancouver, Wash. T
Thompson, William McC., B.A...	1888....	Dunbar, N.S.
Thorburn, John, LL.D.....	1880....	Ottawa.
Thorne, Stephen H., M.D.....	1887....	Brighton.
Thornton, Thomas H., M.D.....	1870....	Consecon.
Thornton, William M., M.D.....	1864....	(Deceased.)
Todd, Alpheus (C.M.G.), LL.D....	1883....	(Deceased.)
Townsend, Harland W., B.A.....	1887....	Magog.
Tracey, Robert, M.D.....	1862....	Belleville.
Tracey, Thomas B., M.D.....	1865....	(Deceased.)
Trousdale, James D., M.D.....	1860....	(Deceased.)
Turner, John B., B.A.....	1889....	Hamilton.
Tuttle, Leslie, M.D.....	1875....	Tweed.
*Ure, Robert, D.D.....	1876....	Goderich.
Valleau, George Z., M.D.....	1867	
Van Allan, John R., M.D.....	1871....	Kansas City.
Van Vlack, Gilbert, M.D.....	1869....	(Deceased.)
Waddell, W. H., M.D.....	1888	
Wade, Robert J., M.D.....	1888...	Trenton.

Name.	Date of Graduation.	Address.
Wade, William R., M.D.....	1888....	Trenton.
Wafer, Francis M., M.D.....	1867....	(Deceased.)
Walkem, William W., M.D.....	1873....	Nanaimo, B.C.
Walker, Allan H., M.D.....	1867....	Hamilton.
Walker, Archibald D., M.D.....	1888....	Shannonville.
Walker, Stanley R., M.D.....	1889....	Wilton.
*Wallace, Alexander, B.A.....	1847....	(Deceased.)
Wallace, David, M.D.....	1881....	Metcalfe, Ont.
Wallbridge, Asa F., B.A.....	1854....	Newcastle.
Ward, G. C. Tremaine, M.D.....	1869....	Napanee.
Wardlaw, James S., M.D.....	1888....	Galt.
*Wardrope, Thomas, D.D.....	1878....	Guelph.
Warner, Albert F., M.D.....	1887....	Wilton.
Wartman, Philander C., M.D.....	1864....	(Deceased.)
Waters, John F., B.A.....	1884....	Ottawa.
Watson, Andrew, B.A.....	1861....	Lucknow.
Watson, Charles V., M.D.....	1863....	Wellington.
*Watson, David, B.A., 1850; M.A., 1854; D.D.....	1886....	Beaverton.
Watson, Donald, B.A.....	1851....	(Deceased.)
*Watson, Peter, B.A.....	1852....	Williamstown.
Watts, Ezra J., M.D.....	1886....	Franktown.
Webster, James, B.A.....	1857....	(Deceased.)
Webster, George R., B.A.....	1875....	Brockville.
Webster, W. J., M.D.....	1884....	White Lake, Dak.
Weekes, W.J., M.D.....	1865....	Woodstock.
Weir, William, M.D.....	1861....	(Deceased.)
Westlake, Henry W., B.A.....	1883....	Exeter.
White, Albert N., M.D.....	1886....	Casenovia, N.Y.
*White, Joseph F., B.A.....	1877....	Shanty Bay, Ont.
Whitney, Arthur W., M.D.....	1888....	Merrickville.
*Whiteman, Richard, B.A.....	1886....	Fort William.
Williams, Herbert S., M.D.....	1884....	Mount Vernon, Dak
*Willis, Michael, LL.D.....	1861....	(Deceased.)
Wilson, Charles J. C., M.D.....	1869....	Montreal,
¹ Wilson, Henry L., B.A., 1887; M.A.	1888....	Ridgetown.
Wilson, John A., M.D.....	1863....	(Deceased.)
Wilson, Thomas, B.A., 1877; M.D.	1880....	Tara.
Wood, Isaac, B.A.....	1884....	Kingston.
Wright, Edward W., M.D.....	1886....	Cataragui.
*Wright, John J., B.A.....	1885....	
Wright, Thomas A., M.D.....	1888....	Westmeath.
Wylie, James, B.A.....	1864....	(Deceased.)
Yates, Horatio, M.D.....	1863....	(Deceased.)
Yates, Octavius, M.D.....	1856....	(Deceased.)

Name.	Date of Graduation.	Address.
*Yeomans, George A., B.A.....	1863....	Harrowsmith.
Yeomans, Horace P., B.A., 1860 ; M.D.....	1863....	Mount Forest.
Young, Daniel, M.D.....	1862....	Conway.
Young, David, M.D.....	1871....	Lower Fort Garry.
Young, Frederick M., B.A.....	1886....	Napanee.
*Young, George P., LL.D.....	1882....	(Deceased.)
Young, Henry P., B.A.....	1883....	Napanee.
*Young, John, B.A., 1882; M.A....	1884....	Niagara Falls, South
Young, Sir William, LL.D.....	1881....	(Deceased.)
Young, William J., M.D.....	1883....	Wingham.
Yourex, John McGill, M.D.....	1876....	Warsaw.

**FELLOWS OF ROYAL COLLEGE OF PHYSICIANS AND
SURGEONS, KINGSTON.**

Name.	Present Address.	Year of Graduation.
Bethune, Alexander.....	Wingham.....	1874
Cluness, William R.....	Sacramento, Cal.....	1871
Dickson, John R.....	(Deceased).....	1866
Dupuis, Thomas R.....	Kingston.....	1871
Fenwick, Kenneth N.....	Kingston.....	1886
Fowler, Fife.....	Kingston.....	1866
Henderson, Donald.....	Winnipeg.....	1886
Horsey, E. H.....	Chicago.....	1886
Irwin, C. A.....	Kingston.....	1886
Kennedy, Roderick.....	Bath.....	1866
Lavell, Michael.....	Kingston.....	1866
Maclean, Donald.....	Ann Arbor, Mich.....	1866
Matheson, M.....	Aramac.....	1886
Mark, Robert.....	Montreal.....	1873
Neish, James.....	Kingston, Jamaica.....	1871
Oliver, Alfred S.....	Kingston.....	1871
Purdy, C. W.....	Chicago.....	1886
Reeve, Richard A.....	Toronto.....	1866
Saunders, Herbert J.....	Kingston.....	1871
Sullivan, Michael.....	Kingston.....	1866
Yates, Horatius.....	(Deceased).....	1871
Yates, Octavius.....	(Deceased).....	1871

Licentiates of R.C.P.S., K.

Abbott, Samuel.....	(Deceased).....	1872
Alexander, James A.....	(Deceased).....	1869
Alway, Enoch.....	Binbrook.....	1869
Bice, Mark.....	Hampton.....	1869
Bigham, Hugh.....	Fenelon Falls.....	1867
Bigham, James.....	Warsaw.....	1868
Booth, Donald B.....	Odessa.....	1868
Bruce, Fred.....	Mount Morris, Mich.....	1888
Burgar, C.....	Welland.....	1870
Campbell, Albert L.....	Belleville.....	1888
Chaffey, Ellswood.....	Ontario, Cal.....	1870
Chamberlane, Theodore F.....	Morrisburg.....	1878
Clapham, Edward.....		1861
Close, James.....	Ohio, U.S.....	1873
Coleman, William F.....	St. John, N.B.....	1871
Corbett, Henry T.....	(Deceased).....	1868
Cornell, Charles.....	Farmersville.....	1872

Name.	Present Address.	Year of Graduation.
Davidson, Myers.....	Florence.....	1871
Davis, L. T.....	Nanaimo.....	1883
Day, Barnabas W.....	Council Grove, Kansas....	1871
Day, Jonathan.....	Fullerton.....	1881
Dickson, John R.....	(Deceased).....	1866
Dowsley, D. H.....	Clinton.....	1875
Dugdale, John J.....	Montreal.....	1867
Dunlop, J. D.....	Alpena, Mich.....	1886
Erischen, Hugo.....	Detroit.....	1882
Erly, Francis W. J.....	(Deceased).....	1868
File, Albert J.....	Ameliastburg.....	1869
Fralick, W. G.....		1887
Fraser, Allan H.....	(Deceased).....	1867
Graham, William J.....	Bothwell.....	1873
Gunsolus, Kenneth.....		1874
Hall, John D.....	(Deceased).....	1878
Hall, William.....	Qu' Appelle.....	1883
Harvey, Leander.....	Watford.....	1867
Hay, William, B.A.....	St. Lawrence, N.Y.....	1887
Hendry, George.....	(Deceased).....	1869
Herriman, Weston Leroy.....	Lindsay.....	1869
Higinbotham, A.....	(Deceased).....	1868
Horsey, Edward H.....	Chicago.....	1871
Houston, William R.....	Chatham.....	1871
Hutchison, John.....	Meaford.....	1869
Johnstone, David.....	Kincardine.....	1869
Keith, S.....	New Glasgow, N.S.....	1886
Kidd, Edward.....	Pictou.....	1871
Knight, John H.....		1880
Lavell, Charles H.....	(Deceased).....	1873
Lavell, William A.....	Smith's Falls.....	1880
Maclean, Archibald.....	Ann Arbor, Mich.....	1880
Mark, Robert.....	Ottawa.....	1867
Meadows, R. W.....	H. M. Service.....	1866
Meagher, Augustus.....	(Deceased).....	1869
Munro, David.....	Perth.....	1867
Murphy, H. J.....	Chatham.....	1867
Maclean, Donald.....	Ann Arbor, Mich.....	1868
McDowell, John.....	(Deceased).....	1880
McLennan, Alexander S.....	Chicago.....	1873
McPhee, J. H.....	Pembroke.....	1886
Nesbitt, Edward.....	(Deceased).....	1868
Newell, James.....	Wyoming.....	1869
Nimmo, John H.....	Birmingham.....	1886
Noel, J. V.....	(Deceased).....	1867

Name.	Present Address.	Year of Graduation.
Oliver, J. K.....	(Deceased).....	1868
O'Sullivan, John.....	(Deceased).....	1868
Patterson, Richard.....	Langford.....	1885
Patterson, James R.....	Port Elgin.....	1869
Price, Robinson B.....	Bath.....	1871
Purdy, Charles W.....	Chicago.....	1869
Rourke, Francis.....	Dublin, Ont.....	1867
Spear, Hugh.....	Toronto.....	1868
Stark, Alexander.....	Berwick.....	1880
Stewart, Alexander J.....	Angus.....	1869
Symington, T.....	Camlachie.....	1881
Thibodo, Robert.....	Winnipeg.....	1868
Van Allen, J. R.....	Kansas City.....	1870
Vanvlack, Gilbert.....	(Deceased).....	1870
Wafer, Francis W.....	(Deceased).....	1861
Wilson, Charles J. C.....	Montreal.....	1869
Young, David.....	Lower Fort Garry, Man....	1877

§ ALUMNI

OF NOT LESS THAN TWO YEARS STANDING.

Names marked with an Asterisk are names of clergymen.

Name.	Date of First Registration.	Address.
Allan, Andrew.....	1844.....	Balderson's Corners.
*Allan, William.....	1882.....	Newburgh.
*Andrew, Joseph.....	1879.....	Middleville.
Bain, William R.....	1858.....	Montreal.
*Ball, William S.....	1842.....	Vanneck.
*Barr, John.....	1857.....	(Deceased.)
Bamford, Frederick J.....	1876.....	Winnipeg.
Bawden, J. R.....	1855.....	Kingston.
*Bennet, James, B.A.....	1881.....	L'Orignal.
Bethune, James, Q.C.....	1856.....	(Deceased.)
Bethune, William S.....	1879.....	Wingham.
Booth, Jackson C.....	1882.....	
Booth, John F.....	1883.....	
*Borthwick, H. J.....	1855.....	Morden, Man.
Brownell, James E.....	1877.....	Avonmore.
*Byers, Henry.....	1848.....	Kingston.
Calvin, H. A.....	1868.....	Garden Island.
Camelon, David.....	1853.....	Maple.
*Cameron, Hugh.....	1856.....	Watford.
*Cameron, J. J., M.A.....	1871.....	Osnabruck.
Campbell, John R.....	1879.....	Wingham.
Cargill, Henry.....	1856.....	(Deceased.)
*Carmichael, James, B.A.....	1858.....	Norwood.
*Carmichael, James.....	1854.....	Strange.
Cameron, A. H., B.A.....	1869.....	Nimitan, Man.
Chambers, John N.....	1875.....	Woodstock, O.
*Chambers, W. A.....	1871.....	Erzeroum, Turkey.
Clapp, David P.....	1873.....	Harriston, O.
Cook, William.....	1858.....	Quebec.
*Crawford, Angus.....	1869.....	
Dickson, Edwin H.....	1867.....	Waco, Texas.
*Doudiet, C.A.....	1866.....	Montreal.
Drummond, Robert J.....	1855.....	Perth.
Duff, John M.....	1872.....	Parkdale.
Duff, John.....	1850.....	Kingston.
Dunning, Harry N.....	1883.....	
Elmore, Minor M.....	1875.....	(Deceased.)
Farnden, Hunter R.....	1842.....	

Name.	Date of First Registration.	Address.
Farrell, Jenny (Mrs. Dyde).....	1884.....	Fredericton, N.B.
*Ferguson, John, B.A.....	1858.....	Maple Valley, Man.
Flanigan, John.....	1858.....	Chicago.
Folger, Marion....	1884.....	Kingston.
Forrest, David.....	1879.....	Bayfield.
Fraser, Nutting S.....	1881.....	St. John's, Newfld.
Fraser, Francis H.....	1883.....	Kingston.
Galbraith, Malcolm C..	1853.....	Bowmanville.
Garrett, William R.....	1884.....	
*Gerrior, John P.....	1884.....	
*Goodwill, John.....	1858.....	Orwell Head, P.E.I.
Goodwin, Antoinette E.....	1884.....	Studley, Halifax.
Goodwin, Ernest P.....	1884.....	Cape Tormentine, N.B.
Gordon, Robert A.....	1882.....	
*Gray, James M.....	1861.....	Stirling.
Hamilton, Clark.....	1848.....	Kingston.
Hamilton, John.....	1844.....	Sault St. Marie.
Hamilton, William.....	1858.....	
Hendry, Thomas.....	1868.....	California.
Hobart, S. W.....	1879.....	Kingston.
Hooper, John G.....	1879.....	Kingston.
Ireland, Alexander H....	1866.....	Toronto.
Ireland, James O.....	1850.....	Toronto.
Ireland, William.....	1850.....	Chatham, O.
Irvine, Richard W.....	1878.....	
Jackson, Nelson.....	1883.....	
Johnston, William.....	1878.....	
*Kellock, David.....	1878.....	Spencerville.
Kirkwood, Daniel H.....	1883.....	
*Lamont, Hugh, D.D.....	1861.....	Hamden, Que.
Lane, Morgan.....	1863.....	Clayton, O.
*Legere, Prosper L.....	1856.....	(Deceased.)
Malloy, William.....	1865.....	
Mills, James McV.....	1884.....	Elsinore, Cal.
Moir, Robert.....	1878.....	
Motherwell, James W.	1873.....	Perth.
*Muckleston, W. J.....	1864.....	Ottawa.
*Mullan, Elias.....	1861.....	Kilsyth, Ont.
*Mullan, J. B.....	1856.....	Fergus.
*Mullan, J. S.....	1854.....	Nashwaak, N.B.
Mulock, William R.....	1865.....	Winnipeg.
Macalister, Lachlan, M.D.....	1861.....	Duntroon.
Macdonald, H. J.....	1865.....	Winnipeg.
McArthur, Charles.....	1879.....	
McArthur, John M.....	1878.....	Chicago.

Name.	Date of First Registration.	Address.
*McColl, Angus.....	1842.....	Chatham, O.
McCuaig, John A.....	1883.....	Welland.
*McKay, Norman T. C.....	1883.....	Summerstown.
McDonald, William.....	(Deceased.)
*McEachern, Charles.....	1873.....	Inverness, Scotland.
*McEachern, Duncan.....	1869.....	Dundee Centre, Q.
McGeachy, William, M.D.....	1861.....	Fingal, O.
*McGillivray, Alexander.....	1871.....	Brockville.
McGregor, Alexander.....	1862.....	Williamstown.
McIntosh, Hugh.....	1876.....	
*McIntyre, C. E.....	1863.....	Oshawa.
McKenzie, John J.....	
McKewen, Thomas.....	1883.....	
*McKinnon, John.....	1842.....	(Deceased.)
*McLaren, Archibald.....	1878.....	Springfield, Man.
McLean, Archibald B.....	1865.....	Smith's Falls.
McLean, Donald, M.D.....	1855.....	Ann Arbor, Mich.
McLean, Donald A.....	1877.....	
McLean, John.....	1874.....	(Deceased.)
*McLeod, Alexander K.....	Brighton.
*McMillan, George, B.A.....	1875.....	Princetown, P.E.I.
McNutt, George A.....	1878.....	
*McPherson, Lachlan.....	1842.....	(Deceased.)
McPherson, Wallace A.....	1883.....	Prescott.
Ovens, Rufus K.....	1879.....	Wilton.
*Paul, James T.....	1842.....	(Deceased.)
Pollock, John R.....	1877.....	(Deceased.)
*Porteous, George.....	1854.....	Kingston.
Pratt, Abraham A.....	1879.....	
Renton, Thomas T.....	1879.....	Kingston.
Richards, Salt.....	1883.....	
Riddell, Alexander F.....	1867.....	Montreal.
*Robertson, John.....	1884.....	Hopewell, N.S.
Ross, Irvine.....	1866.....	(Deceased.)
Ross, Archibald.....	1872.....	
*Ross, Donald.....	1853.....	Portland, Oregon.
Ross, K. J. Livingstone.....	1879.....	Portland, Oregon.
Roy, Henry.....	1880.....	Chisholm, P.E.I.
Smith, Frederick.....	(Deceased.)
Smith, James.....	1877.....	Toronto.
Smith, Robert L.....	1879.....	Appleton.
*Smith, William.....	1877.....	Centreville.
*Smith, Thomas G., D.D.....	1847.....	Kingston.
*Snodgrass, John A.....	1868.....	Consecon.
*Strachan, Donald.....	1865.....	Rockwood.

Name.	Date of First Registration.	Address.
Strange, O. S., M.D.....	1842.....	Kingston.
Stewart, Alexander S.....	1878.....	(Deceased.)
Stewart, Daniel.....	1883.....	(Deceased.)
*Sym, F. Petry.....	1884.....	Warton.
*Taft, J. N.....	1877.....	Haber, N.Y.
*Taylor, Hugh.....	1873.....	Pakenham.
*Thom, Leslie W.....	1877.....	Arthur, O.
Thomson, Andrew W.....	1879.....	Winnipeg.
Walkem, Hugh.....	1875.....	Spence's Bdg., B.C.
*Wallace, Robert.....	1842.....	Toronto.
Ward, David.....	1850.....	Almonte.
Welch, Frederick.....	1867.....	Kingston.
*Wilkins, T. W., B.A.....	1863.....	Trenton.
Wright, Henry A.....	1879.....	Toronto.

§ The Registrar will be much obliged for notices of additions or corrections to this list.

Pass Papers,

ARTS.

Junior Latin.

FIRST PAPER.

I.

Translate :

Ibi navibus longis deductis, impositoque, quem secum advexerat, milite, Romam navigat, Sardiniamque perdomitam nunciat Patribus : et stipendium quaestoribus, frumentum aedilibus, captivosque Fulvio praetori tradidit. Per idem tempus T. Otacilius praetor, quinquaginta navium ab Lilybaeo classe in Africam transvectus, depopulatusque agrum Karthaginiensem, quum Sardiniam inde peteret, quo fama erat Hasdrubalem a Baliaribus nuper trajecisse, classi Africam repetenti obcurrit, levique certamine in alto commisso, septem inde naves cum sociis navalibus cepit: ceteras metus haud secus, quam tempestas, passim disjecit.

Livy, B. XXIII.

1. Parse : *deductis, advexerat, tradidit, depopulatus, peteret, commisso, cepit, disjecit.*

2. State the syntax of *quem, milite, Romam, navium.*

II.

Translate :

Mercuri, facunde nepos Atlantis,
qui feros cultus hominum recentum
voce formasti catus et decorae
more palaestrae,

te canam, magni Iovis et deorum
nuntium curvaeque lyrae parentem,
callidum, quidquid placuit, iocoso
condere furto.

te, boves olim nisi reddidisses
per dolum amotas, puerum minaci
voce dum terret, viduus pharetra
risit Apollo.

quin et Atridas duce te superbos
Ilio dives Priamus relicto
Thessalosque ignes et iniqua Troiae
castra fefellit.

tu pias laetis animas reponis
sedibus virgaque levem coërces
aurea turbam, superis deorum
gratus et imis.

Horace, Odes, B. I.

1. Parse : *oanam, condere, reddidisses, amotas, risit, relicto, fefellit, coërces*.

2. Explain the allusions in *nepos, Atridas, Priamus, Thessalos*.

3. *Nisi reddidisses*. What would Apollo's words be?

4. Scan the first stanza.

Junior Latin.

SECOND PAPER.

I.

1. What change of meaning follows change of number in the following :—*aedes, copia, littera, finis, impedimentum, castrum, auxilium* ?

2. Give the principal parts of *canere, rapere, scindere, legere, arcessere, sternere, mordere, sancire, niti, nancisci*.

3. Parse : *rideres, gessero, tondeas, solvetis, malim, fusi eritis, gaudeat, teret, pelleretis*.

4. What verbs take after them an acc. and inf. ?

Translate : *He said he would do it.*

It is clear that you are pleased.

5. After what classes of verbs is the future inf. used ?

Translate : *He threatened to storm the town.*

6. Classify the tenses into *primary* and *historical*, and illustrate the law of the sequence of tenses.

7. After what sentences is *quin* used ?

Translate : *Who doubts that you did this ?*

8. Distinguish between *quae vere sentio dicam* and *quae vere sentiam dicam*.

9. State how principal and subordinate clauses of *oratio recta* are represented in *oratio obliqua*.

Translate : *He answered that the man who did the deed was present.*

II.

Translate :

1. Did you not say that every one knew why I was envied ?

2. Both he and you, it is plain, were persuaded to believe men who were deceiving you.

3. I earnestly implored him to warn his father not to put confidence in so abandoned a man.

4. The whole world knows now-a-days that the earth moves round the sun.

5. I cannot help wondering at the reason of your having come here.

6. The manner of his death I have never heard ; all the world knows that he is dead.

7. Do you think that such a man can be restrained from using violence ?

III.

Translate at sight :

Lævinus, veris principio a Corcyra profectus navibus, quum venisset Naupactum, Anticyram inde se petiturum edixit. Sita Anticyra est in Locride læva parte sinum Corinthiacum intrantibus: breve terra iter eo, brevis navigatio ab Naupacto est. Tertio fere post die utrimque oppugnari cœpta est. Gravior a mari oppugnatio erat; quia et tormenta machinæque omnis generis in navibus erant, et Romani inde oppugnabant. Itaque intra paucos dies recepta urbs per deditionem Ætolis traditur, præda ex pacto Romanis fuit. Literae Laevino redditæ, consulem eum absentem declaratum, et successorem venire P. Sulpicium: ceterum, diuturno ibi morbo implicitus, serius spe omnium Romam venit.

Livy, B. XXVI.

Senior Latin.

FIRST PAPER.

I.

Translate :

Nunc etiam horribili visu portenta secuntur,
et socii amissi petierunt aethera pinnis
fluminibusque vagantur aves (heu dira meorum
supplicia!) et scopulos lacrimosis vocibus implent.
haec adeo ex illo mihi iam speranda fuerunt
tempore, cum ferro caelestia corpora demens
adpetii et Veneris violavi volnere dextram.
ne vero, ne me ad tales inpellite pugnas:
nec mihi cum Teucris ullum post eruta bellum
Pergama, nec veterum memini laetorve malorum.
munera, quae patriis ad me portatis ab oris,
vertite ad Aenean. stetimus tela aspera contra
contulimusque manus: experto credite, quantus
in clipeum adsurgat, quo turbine torqueat hastam.
si duo praeterea tales Idaea tulisset
terra viros, ultro Inachias venisset ad urbes
Dardanus, et versis lugeret Graecia fatis.
quidquid apud durae cessatum est moenia Troiae,
Hectoris Aeneaeque manu victoria Graium
haesit et in decimum vestigia rettulit annum.

Virgil, *Aeneid*, B. XI.

1. Parse *veterum*, *expertum*, *torqueat*, *versis*, *haesit*.
2. Explain the syntax of *visu*, *pinnis*, *mihi*, *malorum*, *adsurgat*, *tulisset*, *lugeret*, *cessatum est*.
3. *Ne inpellite*. Paraphrase, using other constructions.
4. *Post eruta Pergama*. Write a note on the translation of English abstract and verbal nouns into Latin.
5. Illustrate by examples the use of the Latin reflexive.

II.

Translate :

O praeclaram illam percursionem tuam mense Aprili atque Maio, tum, quum etiam Capuam coloniam deducere conatus es! Quem ad modum illinc abieris vel potius paene non abieris scimus. Cui tu urbi minitaris. Utinam conere, ut aliquando illud *paene* tollatur! At quam nobilis est tua illa peregrinatio! Quid prandiorum apparatus, quid furiosam vinolentiam tuam proferam? Tua ista detrimenta sunt: illa nostra. Agrum Campanum, qui quum de vectigalibus eximebatur, ut militibus daretur, tamen infligi magnum rei publicae vulnus putabamus, hunc tu compransoribus tuis et collusoribus dividebas. Mimos dico et mimas, patres conscripti, in agro Campano collocatos. Quid iam querar de agro Leontino? quoniam quidem hae quondam arationes Campana et Leontina in populi Romani patrimonio grandiferae et fructuosae ferebantur.

Cicero, *Philippic II.*

1. Parse *scimus*, *tollatur*, *querar*, and derive *peregrinatio*, *detrimenta*, *vectigalibus*, *quoniam*.

2. Explain the syntax of *percursionem*, *mense*, *Capuam*, *abieris*, *conere*, *proferam*, *agrum*.

3. *Quoniam quidem...ferebantur*. Explain the connection.

4. Indicate by examples the common forms of the conditional sentence in oratio obliqua.

5. Translate, with notes on italicised words :

(a) *Syngrapha sestertii centiens*. (b) *Sit hoc inhumanitatis*, (c) *Cum tua quid interest*, *nulla auspicia sunt*. (d) *Tam bonus gladiator*, *rudem tam cito?* (e) *Quae Charybdis tam vorax?* (f) *Unus inventus est qui id auderet*. (g) *Prius enim rem transegit quam quisquam eum facturum id suspicaretur*.

Senior Latin.

SECOND PAPER.

I.

Translate into Latin :

- (a) He said that, if the enemy once reached the top of the hill, it made no difference to anyone whether we stood our ground or fled.
- (b) He answered, that if we had known the extent of the danger, we would never have asserted that our army was too brave to be routed.
- (c) Your friends were persuaded to condemn these men to death. By pardoning them now, you will show that you blush for their cruelty.
- (d) I understood that he had denied again and again having promised to pay you \$65,000 at Milan on May 17th, 1889.
- (e) This law, he said, forbade anything to belong to anyone who refused to obey the laws. Let them, therefore, take away all his property from him (*or. obl.*)

II.

Translate into Latin :

Pyrrhus immediately assumed the offensive and invaded the territory of Rome. And an obstinate struggle for empire ensued between the two nations. During the course of the struggle a deserter came over to the camp of the Roman consul offering to take off the Greek king by poison. The consul indignantly rejected the offer and had the traitor immediately arrested and taken back to the king with the message that the Romans took off their enemies by the sword

and not by treachery. This act won the approval of the Roman Senate; and the king, to testify his admiration of such generosity, sent his thanks to the consul and restored all his prisoners of war without ransom.

III.

Translate at sight :

Quamquam enim libri nostri complures non modo ad legendi sed etiam ad scribendi studium excitaverunt, tamen interdum vereor ne quibusdam bonis viris philosophiæ nomen sit invisum mirenturque in ea tantum me operæ et temporis ponere. Ego autem quamdiu respublica per eos gerebatur quibus se ipsa commiserat omnes meas curas cogitationesque in eam conferebam. Cum autem dominatu unius omnia tenerentur nec me angoribus dedidi, quibus eram confectus nisi iis restitidissem, nec rursum indignis homine docto voluptatibus. Atque utinam respublica stetisset quo cœperat statu nec in homines non tam commutandarum quam evertendarum rerum cupidos incidisset.

Cicero, *De Officiis*.

Junior Greek.

FIRST PAPER.

I.

Translate :

λέγω δὴ τοὺς πάντας στρατιώτας δισχιλίους, τούτων δὲ Ἀθηναίους φημὶ δεῖν εἶναι πεντακοσίους, ἐξ ἧς ἂν τινος ὕμιν ἡλικίας καλῶς ἔχειν δοκῇ, χρόνον τακτὸν στρατευομένους, μὴ μακρὸν τοῦτον, ἀλλ' ὅσον ἂν δοκῇ καλῶς ἔχειν, ἐκ διαδοχῆς ἀλλήλοις· τοὺς δ' ἄλλους ζένους εἶναι κελεύω. καὶ μετὰ τούτων ἱππέας διακοσίους, καὶ τούτων πεντήκοντα Ἀθηναίους τοῦλάχιστον, ὥσπερ τοὺς πεζοὺς, τὸν αὐτὸν τρόπον στρατευομένους· καὶ ἱππαγωγοὺς τούτοις.

Demosthenes, Philippic I.

1. Parse: δοκῇ, ἔχειν, κελεύω, στρατευομένους, ἱππαγωγοὺς.

2. State the syntax of τούτων, χρόνον, τοῦλάχιστον, τρόπον.

3. Τὸν αὐτὸν τρόπον. What adverb might be substituted for the phrase?

4. Sketch the state of affairs in Greece at the time of the delivery of this speech.

II.

Translate :

ἐν δέ τι κοινὸν ἢ φύσις τῶν εὖ φρονούντων ἐν ἑαυτῇ κέχτηται φυλακτήριον, ὃ πᾶσι μὲν ἐστὶν ἀγαθὸν καὶ σωτήριον, μάλιστα δὲ τοῖς πλήθεσι πρὸς τοὺς τυράννους. τί οὖν ἐστὶ τοῦτο; ἀπιστία. ταύτην φυλάττετε, ταύτης ἀντέχεσθε· ἐὰν ταύτην σῶζητε, οὐδὲν μὴ δεινὸν πάθητε. τί ζητεῖτε; ἔφην. ἐλευθερίαν. εἰτ' οὐχ ὁρᾶτε Φίλιππον ἀλλοτριωτάτας ταύτη καὶ τὰς προσηγορίας ἔχοντα; βασιλεὺς

γὰρ καὶ τύραννος ἅπας ἐχθρὸς ἐλευθερίᾳ καὶ νόμοις ἐναντίος. οὐ φυλάξεσθ' ὅπως, ἔφην, μὴ πολέμου ζητοῦντες ἀπαλλαγῆναι δεσπότην εὕρητε ;

Ibid. II.

1. Parse : κέκτῃται, φυλάττετε, ἀντέχεσθε, σώζετε, πάθῃτε, ἀπαλλαγῆναι, εὕρητε.

2. State the syntax of πάθῃτε, ἔχοντα, πολέμου.

3. What was the aim of this embassy to Messene ?

III.

Translate :

Τὴν δ' ἀπαμειβόμενος προσέφη πολύμητις Ὀδυσσεύς·
“ἀργαλέον, βασιλεία, διηνεκέως ἀγορευῖσαι
κῆδε', ἐπεὶ μοι πολλὰ δόσαν θεοὶ οὐρανίωνες·
τοῦτο δέ τοι ἔρέω ὃ μ' ἀνείρεαι ἡδὲ μεταλλᾶς.
Ὠγυγίῃ τις νῆσος ἀπόπροθεν εἶν' ἀλλ' κεῖται,
ἔνθα μὲν Ἀτλαντος θυγάτηρ, δολόεσσα Καλυψώ,
ναίει ἐυπλόκαμος, δεινὴ θεός· οὐδέ τις αὐτῇ
μίσγεται οὔτε θεῶν οὔτε θνητῶν ἀνθρώπων.
ἀλλ' ἐμὲ τὸν δούστηνον ἐφέστιον ἤγαγε δαίμων
οἶον, ἐπεὶ μοι νῆα θοὴν ἀργῆτι κεραυνῷ
Ζεὺς ἔλσας ἐκέασσε μέσῳ ἐνὶ οἴνοπι πόντῳ.”

Homer, Odyssey VII.

1. Parse : δόσαν, ἔρέω, ἀνείρεαι, ναίει, μίσγεται, ἤγαγε, ἔλσας, ἐκέασσε.

2. Give the derivation of διηνεκέως, ἐφέστιον, μεταλλᾶς, οἶον, οἴνοπι.

3. Make a list of the Epic forms in this passage and give the proper Attic for these.

4. In what direction did Ogygia and Scheria bear from Ithaca ?

5. Scan the first four lines.

Junior Greek.

SECOND PAPER.

I.

1. Decline *τείχος, ἱππεύς, γάλα, ναῦς*.
2. What is the gender of *ὁδός, πλῆθος, ἐλπίς, οὗς, νοῦς*?
3. Give the degrees of comparison of *εὖ, μάλα, μέγας, ῥάδιος, ταχύς, μακρός, εὐδαίμων*.
4. Give the principal tenses of *πίνω, ἰκνέομαι, αἰρέω, ὁράω, πείθω, κάμνω*.
5. Parse *ἀποσταλείς, ἐποιήσειεν, ἐπιστῆναι, ἐφεστάναι, εἶων, ἀπηλλάγην*.
6. How is *their* expressed when referring to the subject of the sentence?

Translate: *They said they had found their slave.*

7. Illustrate the chief uses of *αὐτός*.
8. Give sentences illustrating the case of *cause, manner, and instrument*.
9. Mention the classes of verbs which govern two cases. Illustrate.
10. Illustrate the government of *μετά*.

II.

1. The slaves told the stranger that they had just come from Athens and were going to Marathon.
2. Did you not say that his books were full of such discussions?
3. The messenger reported that Pericles was general with three others.

4. In the third year of the war we defeated the enemy and captured all the ships in the harbour.

5. They said that the wisest and best of the citizens had been put to death by the magistrates.

III.

Translate at sight :

Ἦ Επραξαν δ' αὐτῶν ἕκαστοι τάδε. οἱ μὲν Ἀρχάδες ὡς ἀπέβησαν νυκτὸς εἰς Κάλπης λιμένα, πορεύονται εἰς τὰς πρώτας κόμας, στάδια ἀπὸ θαλάττης ὡς τριάκοντα. ἐπεὶ δὲ φῶς ἐγένετο, ἤγεν ἕκαστος ὁ στρατηγὸς τὸν αὐτοῦ λόχον ἐπὶ κόμην· ὁποῖα δὲ μείζων ἐδόκει εἶναι, σύνδυο λόχους ἤγον οἱ στρατηγοί. καὶ ἐξαίφνης ἐπιπесόντες ἀνδράποδά τε πολλὰ ἔλαβον καὶ πρόβατα πολλὰ περιεβάλοντο. οἱ δὲ Θρᾶκες ἠθροίζοντο οἱ διαφυγόντες· πολλοὶ δὲ διέφυγον πελτασταὶ ὄντες ὀπίτας ἐξ αὐτῶν τῶν χειρῶν. ἐπεὶ δὲ συνελέγησαν, πρῶτον μὲν τῷ Σμίκρητος λόχῳ ἐνὸς τῶν Ἀρχάδων στρατηγῶν ἀπιόντι καὶ πολλὰ χρήματα ἄγοντι ἐπιτίθενται.

Xenophon.

Senior Greek.

FIRST PAPER.

I.

Translate :

Τοιαῦτα δὲ ὁ Διοδότος εἶπε. ῥηθειςῶν δὲ τῶν γνωμῶν τούτων μάλιστα ἀντιπάλων πρὸς ἀλλήλας οἱ Ἀθηναῖοι ἤλθον μὲν ἐς ἀγῶνα ὅμως τῆς δόξης καὶ ἐγένοντο ἐν τῇ χειροτονίᾳ ἀγχώμαλοι. ἐκράτησε δὲ ἡ τοῦ Διοδότου. καὶ τριήρη εὐθύς ἄλλην ἀπέστελλον, κατὰ σπουδὴν, ὅπως μὴ φθασάσης τῆς προτέρας εὐδῶσι διεφθαρμένην τὴν πόλιν· προεῖχε δὲ ἡμέρα καὶ νυκτὶ μάλιστα. παρασκευασάντων δὲ τῶν Μυτιληναίων πρέσβειων τῇ νηὶ οἶνον καὶ ἄλφιτα καὶ μεγάλα ὑποσχομένων, εἰ φθάσαιεν, ἐγένετο σπουδὴ τοῦ πλοῦ τοιαύτη ὥστε ἥσθιόν τε ἅμα ἐλαύνοντες, οἶνω καὶ ἐλαίῳ ἄλφιτα πεφυραμένα, καὶ οἱ μὲν ὕπνον ἤροῦντο κατὰ μέρος, οἱ δὲ ἤλαυνον. κατὰ τύχην δὲ πνεύματος οὐδενὸς ἐναντιωθέντος καὶ τῆς μὲν προτέρας νεὸς οὐ σπουδῇ πλεούσης ἐπὶ πρᾶγμα ἀλλόκοτον, ταύτης δὲ τοιούτῳ τρόπῳ ἐπειγομένης, ἡ μὲν ἔφθασε τοσοῦτον ὅσον Πάχητα ἀνεγνωκέναι τὸ ψήφισμα καὶ μέλλειν δράσειν τὰ δεδογμένα, ἡ δ' ὕστερα αὐτῆς ἐπικατάγεται καὶ διεχώλυσε μὴ διαφθεῖραι. παρὰ τοσοῦτον μὲν ἡ Μυτιλήνη ἤλθε κινδύνου.

Thucydides, B. III., ch. 49.

1. Parse ῥηθειςῶν, ἤλθον, τριήρη, διεφθαρμένην, προεῖχε, μάλιστα, πρέσβειων, ὑποσχομένων, πεφυραμένα, ἤροῦντο, ἔφθασε, ἀνεγνωκέναι.

2. Explain the syntax of γνωμῶν, ἀπέστελλον, εὐρωσι, νυκτὶ, φθάσαιεν, πλοῦ, δράσειν, μὴ διαφθεῖραι, κινδύνου.

3. Ἐναντιωθέντος. What peculiarity in form? Give other examples.

4. Define the geographical position of *Athens*, *Sparta*, *Thebes*, *Mytilene*, *Naupactus*.

5. Who were the *Sophists*? What part did they play in the development of Greek prose?

II.

Translate :

- ΟΙ. γύναι, νοεῖς ἐκεῖνον, ὄντιν' ἀρτίως
μολεῖν ἐφείμεσθα τόν θ' οὗτος λέγει ;
ΙΟ. τίς δ' ὄντιν' εἶπε ; μηδὲν ἐντραπῆς, τὰ δὲ
ῥηθέντα βούλου μηδὲ μεμνησθαι μάτην.
ΟΙ. οὐκ ἂν γένοιτο τοῦθ' ὅπως ἐγὼ λαβὼν
σημεῖα τοιαῦτ' οὐ φανῶ τοῦμὸν γένος.
ΙΟ. μὴ πρὸς θεῶν, εἴπερ τι τοῦ σαυτοῦ βίου
κῆδει, ματεύσης τοῦθ'. ἄλις νοσοῦς ἐγώ.
ΟΙ, θάρσει. σὺ μὲν γὰρ οὐδ' ἔαν τρίτης ἐγὼ
μητρὸς φανῶ τρίδουλος, ἐκφανεῖ κακῇ.
ΙΟ. ὁμῶς πιθοῦ μοι, λίσσομαι· μὴ ὀρᾷ τάδε.
ΟΙ. οὐκ ἂν πιθοίμην μὴ οὐ τὰδ' ἐκμαθεῖν σαφῶς.
ΙΟ. καὶ μὴν φρονοῦσά γ' εὖ τὰ λῶστα σοι λέγω.
ΟΙ. τὰ λῶστα τοίνυν ταῦτά μ' ἀλγύνει πάλαι.
ΙΟ. ὦ δύσποτμ', εἴθε μήποτε γνοιῆς δς εἶ.
ΟΙ. ἄξει τις ἐλθὼν δεῦρο τὸν βοτῆρά μοι ;
ταύτην δ' ἔατε πλουσίῳ χαίρειν γένει.
ΙΟ. ἰοὺ ἰοὺ δύστηνε· τοῦτο γάρ σ' ἔχω
μόνον προσειπεῖν, ἄλλο δ' οὐποθ' ὕστερον.
ΧΟ. τί ποτε βέβηκεν, Οἰδίπους, ὑπ' ἀγρίας
ἄξασα λύπης ἢ γυνή ; δέδοιχ' ὅπως
μὴ 'κ τῆς σιωπῆς τῇσδ' ἀναρρήξει κακά.

Sophocles, *Oedipus Rex*, 1054-1075.

1. Parse *μολεῖν*, *ἐφείμεσθα*, *μεμνησθαι*, *θάρσει*, *φανῶ* (1063), *ἐκφανεῖ*, *πιθοίμην*, *ἐκμαθεῖν*, *λῶστα*, *ἄξασα*, *βέβηκεν*, *ἀναρρήξει*.

2. Explain the syntax of *δυντιν'* (1056), *γένοιτο*, *μὴ οὐ* . . . *ἐκμαθεῖν*, *ἀλγύνει*, *γνοίης*, *γένει*.

3. *Ἐντραπῆς*, *ματεύσης*, *δραῖ*. Paraphrase, using the other construction.

4. *Ἡ μὲν τραγωδία ἀπὸ τῶν ἐξαρχόντων τὸν διθύραμβον ἐγένετο*. Explain.

5. Translate, with notes on syntax or allusions :

(a) *εἰ δ' αὐτὸς ἦρχον, πολλὰ καὶ ἄκων ἔδρων*,

(b) *τί σοι θέλεις δῆτ' εἰκάθω* ;

(c) *ἐξ ἦρος εἰς ἀρκτοῦρον*.

(d) *ὀλέσθαι δ' ὤφελον τῇδε ἡμέρα*.

(e) *εἴ μοι ξυνεῖη φέροντι*

μοῖρα τὰν εὖσεπτον ἀγνείαν λόγων

ἔργων τε πάντων, ὧν νόμοι πρόκεινται

ὕψιποδες, οὐρανίαν

δι' αἰθέρα τεκνωθέντες, ὧν Ὀλυμπος

πατὴρ μόνος, οὐδὲ νιν

θνατὰ φύσις ἀνέρων

ἔτικτεν, οὐδὲ μὴν ποτε λάθρα κατακοιμάσει

μέγας ἐν τούτοις θεὸς, οὐδὲ γηράσκει.

Senior Greek.

SECOND PAPER.

I.

Translate into Greek, with accents :

(a) Have you never heard that he remained abroad in Sparta for almost twenty years that he might not injure his country?

(b) They ought to have told you that, if he had been general, the enemy would not have reached such a pitch of insolence.

(c) They perceived that the city they had wished so much to save had been taken by him.

(d) When the king had fallen, they retreated though they knew that their ships were much more numerous than ours.

(e) We thought that you would take care to find out whether he would attack the place by sea or land.

II.

Translate into Greek :

Croesus, king of Lydia, had a son named Atys, who was by far the first of his equals in age in every respect. But the gods told the king in a dream as he slept by night that he would lose his son by a blow from a spear. Accordingly he kept his son shut up within the palace and refused to allow him to practise with the spear or to march with the army to the field. But all to no purpose. For when the young men went out to assist the Mysians in killing a large boar that was ravaging their fields, a spear, heedlessly thrown by a friend, missed the boar but killed the son of Croesus, and thus fulfilled the message of the dream.

ἕλειξ, *equal in age*. ἀπόλλυμι, *lose*. ὕς, *boar*. ἐχπίμπλημι, *fulfil*.

Translate at sight :

Ἀναχωρησάντων δὲ τῶν ἐκ τῆς Ἀττικῆς Πελοποννησίων οἱ Σπαρτιᾶται αὐτοὶ μὲν καὶ οἱ ἐγγύτατα τῶν περιοίκων εὐθύς ἐβόηθουν ἐπὶ τὴν Πύλον, τῶν δὲ ἄλλων Λακεδαιμονίων βραδυτέρα ἐγίγνετο ἡ ἔφοδος, ἄρτι ἀφικνέμενων ἀφ' ἐτέρας στρατείας. περιήγγελλον δὲ καὶ κατὰ τὴν Πελοπόννησον βοηθεῖν ὅτι τάχιστα ἐπὶ Πύλον καὶ ἐπὶ τὰς ἐν τῇ Κερκύρᾳ ναῦς σφῶν τὰς ἐξήκοντα ἔπεμψαν, αἱ ὑπερενεχθεῖσαι τὸν Λευκαδίων ἰσθμὸν καὶ λαθοῦσαι τὰς ἐν Ζακύνθῳ Ἀττικὰς ναῦς ἀφικνοῦνται ἐπὶ Πύλον· παρῆν δὲ ἤδη καὶ ὁ πεζὸς στρατός. Δημοσθένης δὲ προσπλεόντων ἔτι τῶν Πελοποννησίων ὑπεκπέμπει φθάσας δύο ναῦς ἀγγεῖλαι Εὐρυμέδοντι καὶ τοῖς ἐν ταῖς ναυσὶν ἐν Ζακύνθῳ Ἀθηναίοις παρεῖναι ὥς τοῦ χωρίου κινδυνεύοντος. καὶ αἱ μὲν νῆες κατὰ τάχος ἔπλεον κατὰ τὰ ἐπεσταλμένα ὑπὸ Δημοσθένους· οἱ δὲ Λακεδαιμόνιοι παρεσκευάζοντο ὥς τῷ τειχίσματι προσβαλοῦντες κατὰ τε γῆν καὶ κατὰ θάλασσαν, ἐλπίζοντες ῥαδίως αἰρήσειν οἰκοδόμημα διὰ ταχέων εἰργασμένον καὶ ἀνθρώπων ὀλίγων ἐνόντων.

Thucydides, B. IV.

Junior Mathematics.

FIRST PAPER.

1. Factor the expressions

(a), $x^4 - 4x^2 + 4x - 1$

(b) $a(b-c)(\overline{b+c^2-bc}) + b(c-a)(\overline{c+a^2-ca}) + c(a-b)(\overline{a+b^2-ab})$

(c) Express $(l^2 + m^2 + n^2)(l_1^2 + m_1^2 + n_1^2) - (ll_1 + mm_1 + nn_1)^2$ as the sum of three squares.

2. If $\frac{a}{b} = \frac{c}{d} = \frac{e}{f}$, then each fraction $= \frac{ma + nc + pe}{mb + nd + pf}$

If $\frac{bz - cy}{b - c} = \frac{cx - az}{c - a}$, then each $= \frac{ay - bx}{a - b}$

and $a(y - z) + b(z - x) + c(x - y) = 0$.

3. Two numbers are as $a : b$. What quantity must be added to each that the sums may be as $A : B$?

Under what condition would the quantity to be added be infinite?

4. Find a number such that if a be added to it and b be subtracted from it, the difference of the squares of the results will be the number.

What relation between a and b will make the number zero? will make it ∞ ?

5. Solve the equations—

(1) $\frac{(x-a)^2}{1-ax} = \frac{(x+a)^2}{1+ax}$. (2) $x^2 + \frac{4}{x^2} + 6\left(x + \frac{2}{x}\right) = 23$

(3) Find the relation between a , b , and c , when $3x + 2y + a = x - 3y + b = 2x + y - c = 0$.

(4) Find x and y when $x + y = xy = x^2 - y^2$.

6. Write down the two principal relations for (1) an Arithmetic series, (2) a Geometric series.

The A. P's whose n th terms are $26 - n$ and $\frac{5}{4} + \frac{1}{2}n$ have a common number of terms for which their sums are the same. Find the number of terms and the sum.

7. Find n when ${}_nP_4 = 3_{n-1}P_4$.

Five white and four black balls are put together into a bag. What is the chance of drawing two white balls and a black one in a single drawing of 3 balls?

8. The three altitudes of a triangle pass through a common point, the orthocentre.

9. The incircle of a triangle touches the side b or c at the distance $s - a$ from the vertex A .

10. In any right angled triangle the square upon a side is equal to the rectangle on the hypotenuse and the projection of that side on the hypotenuse.

If two circles touch, the square on their common tangent is equal to the rectangle on their diameters.

11. State clearly what is meant by a *unit-length* and a *unit-area*, and interpret fully the algebraic form,

$$\square AC = AB \cdot BC.$$

Prove that the area of an equilateral triangle is $\frac{a^2}{4} \sqrt{3}$ where a is the side.

12. Explain the geometric principles of the diagonal scale.

13. Develope the relation $D^2 = a^2 + b^2 \pm 2ab \cos \theta$, where D is a diagonal of a parallelogram, a and b are its sides and θ the angle between the sides.

Junior Mathematics.

SECOND PAPER.

1. Explain the method of finding the quantities A , B , C , D when $x^4 + ax^3 + bx^2 + cx + d$ is to be put into the form $(x-1)^4 + A(x-1)^3 + B(x-1)^2 + C(x-1) + D$.

Apply your principles to express

$x^4 - 4x^3 + 7x^2 - 6x + 3$ in terms of z , when $z = x - 1$.

2. If $\frac{x+y}{a-b} = \frac{y+z}{b-c} = \frac{z+x}{c-a}$,

then each fraction $= \sqrt{\left\{ \frac{x^2 + y^2 + z^2}{(a-b)^2 + (b-c)^2 + (c-a)^2} \right\}}$

3. In the general quadratic $ax^2 + 2bx + c = 0$ show

(1) That, if α and β be the roots,

$$\alpha + \beta = -\frac{2b}{a}, \quad \alpha\beta = \frac{c}{a}.$$

(2) That the roots are real and unequal, equal, or imaginary according as b^2 is greater than, equal to, or less than ac .

If $\frac{x^2}{a^2} + \frac{b^2}{\beta^2} \left(1 + \frac{ax}{a^2}\right)^2 = 1$, find the relation between a , b , α and β , when x has equal roots.

4. Explain what is meant by a maximum, and a minimum solution of a quadratic expression.

Divide a number a into two parts such that the sum of their reciprocals may be a minimum.

5. Define four quantities in Harmonic proportion, and show that $G = \sqrt{AH}$ where G is the Geometric, A the Arithmetic, and H the Harmonic mean between the same two quantities.

6. Establish the Binomial theorem in any way.

If $e = \left(1 + \frac{1}{x}\right)^x$ when x becomes infinite, show that

$$e^y = 1 + y + \frac{y^2}{1.2} + \frac{y^3}{1.2.3} + \dots$$

7. If O be the orthocentre of a triangle, ABC , the circumcircles to the triangles ABC , AOB , BOC , COA are all equal.

8. The tangent at any point on a circle, and the perpendicular from that point on the diameter, divide the diameter harmonically.

9. The area of any quadrangle is one-half the product of the diagonals multiplied by the sine of the angle between the diagonals.

If a, b be the sides of a parallelogram, θ the angle between them, and φ the angle between the diagonals,

$$\tan \varphi = \frac{2ab \sin \theta}{a^2 - b^2}$$

10. Show that

$$\cos^3 \theta - \sin^3 \theta = (\cos \theta - \sin \theta) (1 + \sin \theta \cos \theta),$$

$$\text{and that } \cos 2\theta = 2 \cos^2 \theta - 1.$$

11. A statue stands upon a pedestal in a level field. At a distance of 300 feet from the base of the pedestal the foot of the statue has an elevation of α degrees, and the head an elevation of β degrees. Find the height of the pedestal and the height of the statue.

Senior Mathematics—Algebra.

1. If any line of a determinant be increased by any multiple of another line the value of the determinant is unchanged.

Show that
$$\begin{vmatrix} a & b & c & d \\ b & c & d & a \\ c & d & a & b \\ d & a & b & c \end{vmatrix} = (a+b+c+d) \begin{vmatrix} 1 & b & c & d \\ 1 & c & d & a \\ 1 & d & a & b \\ 1 & a & b & c \end{vmatrix}$$

2. Remove the 2nd term of the equation

$$x^4 - 4x^3 + 2x^2 + 4x + 6 = 0$$

and thence find all the roots.

3. Determine the relation among the coefficients, in order that $ax^2 + by^2 + 2hxy + 2gx + 2fy + c = 0$ can be resolved into two factors.

4. Point out the general distinction between a difference series and a recurring series.

Sum to n terms the series—

(1) the recurring series of 2nd order,

$$1 - 4x + 10x^2 - 22x^3 + 46x^4 - \dots$$

(2) the difference series $1.2.3 + 2.3.4 + 3.4.5 + \dots$

(3) the series $\frac{1}{1.2.3} + \frac{1}{2.3.4} + \frac{1}{3.4.5} + \dots$

5. Develop the exponential a^x ; and show that the coefficient of linear x is $\log_e a$.

6. Find $\varphi(a)$ when $\log \varphi a =$

$$3 \log(1+a) - \log a - \left\{ \frac{1}{(1+a)^3} + \frac{1}{2(1+a)^6} + \dots \right\}$$

Trigonometry.

1. Prove the relation

$\sin 2A + \sin 2B - \sin 2C = 4 \cos A \cos B \sin C$ when $A + B + C = \pi$.

2. Put the relation $a^2 = b^2 + c^2 - 2bc \cos A$ into a form for calculating the side a by logarithms.

3. If we assume $2 \cos \theta = x + \frac{1}{x}$, show that

$$2 \cos n\theta = x^n + \frac{1}{x^n} \quad \text{and} \quad 2 \sin n\theta = \frac{1}{i} \left(x^n - \frac{1}{x^n} \right).$$

4. Find the quadratic factors of $x^{2n} - 2x^n \cos \theta + 1$.

5. Establish the formula—

$$(1) \quad \theta = \frac{\tan \theta}{1} - \frac{\tan^3 \theta}{3} + \frac{\tan^5 \theta}{5} - + \dots$$

$$(2) \quad l.\cos \theta = - \left\{ \frac{\tan^2 \theta}{2} - \frac{\tan^4 \theta}{4} + \frac{\tan^6 \theta}{6} - + \dots \right\}$$

and show how to apply the first to compute the value of π .

6. Sum to n terms and to ∞ the series

$$\sin \alpha + \sin 3\alpha + \sin 5\alpha \dots \sin(2n-1)\alpha + \dots$$

Senior Mathematics—Conics.

1. Show that $\begin{vmatrix} x & y & 1 \\ x' & y' & 1 \\ x'' & y'' & 1 \end{vmatrix} = 0$ is the equation to a line

passing through the points $x' y'$ and $x'' y''$; and thence deduce the equations

$$\frac{x}{a} + \frac{y}{b} = 1 \quad \text{and} \quad x \cos \theta + y \sin \theta - p = 0.$$

2. Find the equation of the line which passes through the point a, β and is perpendicular to the join of the points a, b and a', b' .

3. Find the angle between the lines denoted by $ax^2 + 2hxy + by^2 = 0$, and also the equation to the bisectors of this angle.

4. Find the equation to a circle which makes intercepts $x_1 x_2$ on the x -axis and $y_1 y_2$ on the y -axis.

5. A, B are fixed points and P moves so that $AP = nBP$; then the locus of P is a circle, and for different values of n the circles produced are co-axal.

6. The locus of the intersection of two perpendicular tangents to a parabola is the directrix, and the chord of contact of the tangents is a focal chord.

7. Show that the polar equation of an Ellipse and Hyperbola, with pole at centre, is

$$\frac{1}{r^2} = \frac{1}{a^2} - \left(\frac{1}{a^2} \mp \frac{1}{b^2} \right) \sin^2 \theta,$$

and thence find the direction of the asymptotes in the Hyperbola.

8. If p_1, p_2 be perpendiculars from the foci upon a tangent, show that $p_1 p_2 = \pm b^2$; + for Ellipse, and - for Hyperbola.

9. Show how the various conics are produced as sections of a cone. And explain in this relation the meaning of the focus, the directrix and the asymptotes.

10. In an orthogonal transformation of the axes, show that the functions $ab - h^2$ and $a + b$ are unchanged.

Junior Physics.

Dynamics and Molecular Phenomena.

N.B.—Only 12 questions to be answered. The numbers attached indicate the relative values of the questions.

1. Define the following terms : *particle, litre, radian, prem, a unit of measurement, equal times, dyntach, sidereal month.* 8

2. Find in tachs per second the difference between an acceleration of 24 metres per minute per second and one of 21.6 kilometres per hour per minute. 8

3. The distances described in successive equal intervals of time by a body, which starts from rest and is uniformly accelerated, are as the odd numbers. 8

4. Enunciate Newton's Second and Third Dynamical Laws. Explain fully what each teaches. 10

5. A sphere of rock-crystal (density 2.68) has a diameter 6.5 ; find its volume, mass, and weight in absolute measure in Kingston, Ont. 6

6. A man whose mass is 140 lbs. enters the sea to bathe. If the s. w. of the water be 1.028, and of the human body 0.9, find the pressure of the ground on his feet when $\frac{3}{4}$ ths of his body is immersed. 10

7. What was the secret of Regnault's success in weighing gases? Describe fully Regnault's method of determining the specific weight of dry air. 10

8. Define Kinetic and Potential Energy and give two illustrative examples of each. A cannon ball, 100 lbs. mass, is moving with a velocity of 100 vels ; what is its K. E. in foot-pounds ? 8

9. Name and enunciate the fundamental laws of energy. Enunciate the laws of friction between plane surfaces, and define the coefficient of friction. 8

10. In a scientific system of units, the unit of velocity is 1 kilometre per hour, the unit of acceleration is g (981), and the unit of force is the weight of a kilogram; find the fundamental units, and the substance of unit density, in terms of the C. G. S. units. 10

11. Given the velocities of two bodies relative to the earth, to determine their velocities relative to one another. 8

12. If two sides of a parallelogram represent the axes of two couples, the interjacent diagonal represents the axis of the resultant couple. 8

13. A body of mass M hanging vertically, draws another body of mass m along a horizontal plane, by means of a string passing over a smooth pulley. If μ be the coefficient of friction on the plane, find the motion of the centre of mass. The masses of the string and pulley may be neglected. 10

14. Define *solution*, *solvent*, *saturated solution*. State the recognized differences between solution and chemical combination. 6

15. Explain how it is possible to weave with fine threads of glass, whilst a thick glass rod cannot be bent to any appreciable extent. 6

16. Define absorption and give 3 good examples. 6

Junior Physics.

Heat, Electricity, Light, and Sound.

N.B. Only 12 questions to be answered.

1. Define temperature. What principle is assumed in all measurements of temperature? Explain how temperature is measured by an ordinary mercurial thermometer. 9

2. The reading of the barometer at Kingston, Ont. ($g=980.54$) is 76.4 and the temperature of the air is 20° , determine the reduced barometric pressure, given that the linear coefficient of dilatation of the bronze case on which the scale is marked is 1.8×10^{-5} , and the mean coefficient of dilatation of mercury between 0° and 20° is 1.7951×10^{-4} . g at Paris $= 980.94$. 12

3. Explain the formation of the clouds which are frequently seen rising from Lake Ontario on December mornings. Why is the lake so late in freezing in winter? 8

4. Define thermal capacity. On what does it depend? Compare the thermal capacities of equal volumes of water and mercury (s. h. $= \frac{1}{30}$, density $= 13\frac{1}{2}$.) 9

5. Enunciate Coulomb's law of electric attractions and repulsions. Two spherical particles 1 decimetre apart repel one another with a force of 5 milligrams-wt., the charge on one of them is 20 units, what must be the charge on the other? $g=980.5$. 8

6. Describe and explain the action of the electrical whirl. 6

7. Determine the *electrical force* in any direction in terms of the *potential* at any point of an electrical field. 9

8. What experiment led to the invention of the Leyden jar? Explain the condensation of electricity in a Leyden jar. 9

9. Explain what is meant by the strength of a magnetic pole, and describe experiments to determine the law of force between two poles. 8

10. Describe Ampère's theory of magnetism, and explain the construction of an electro-magnet. 8

11. Enunciate the fundamental laws of geometrical optics. 6

12. Prove that if a ray of light has to pass from one point to another by reflection from a plane mirror, the path taken is the shortest possible. 8

13. Describe and explain the phenomena of mirage and looming. 8

14. When sun-light passes through a prism, what takes place? How are the dark lines accounted for? 8

15. What is the nature of sound-waves? How can it be proved that sound can be refracted? 6

16. Define musical pitch. On what does it depend? How is its measurement effected by a Syren? 9

17. Describe the construction of the Edison phonograph, and explain how it is used. 8

Senior Physics.

Dynamics and Optics.

1. An inextensible string binds tightly together two smooth cylinders of radii R and r ; find the ratio of the mutual pressure of the cylinders to the tension of the string. Also, for a given tension of string, find the relation between R and r when the mutual pressure is a maximum.

2. Shew that the kinetic advantage of a screw and nut of angle α is equal to the mechanical advantage of a screw and nut of angle of $\alpha + \epsilon$, ϵ being the angle of friction.

3. Define the *hodograph* of a body's motion, and prove that the velocity of the point describing the hodograph measures the acceleration of the moving body.

4. A string can just sustain the weight of 50 kilograms without breaking. A body of 1 kilogram is fastened to one end of the string, and made to revolve about the other as centre; if the length of the string be 1 metre, find the maximum velocity which can be given to the body.

5. A heavy stone, dropped from the top of a precipice at Niagara, reaches the ground in the time that a simple pendulum, a foot long, oscillates 6 times; find the depth of the precipice.

6. A vessel has the form of a hollow pyramid with 4 sides which are equilateral triangles; it is placed on a horizontal plane and filled with water through an aperture in the vertex; find the least weight of the vessel that it be not lifted from the plane, the length of any edge being 1 metre.

7. Bodies are projected simultaneously from the same point, and strike the horizontal plane through that point simultaneously; shew that the latera recta of the paths vary as the squares of the horizontal ranges.

8. A body describes an ellipse so that equal areas are passed over by the radius vector drawn from the centre in equal times; (1) find the hodograph of the body's motion, (2) deduce therefrom the law of force under which the body is moving.

9. What are principal axes at any point of a body? Prove that such exist at every point of a body, and find them.

10. The mirrors in a kaleidoscope are inclined at 36° . How many images of any object can be seen? Trace the path of light from the last image in either mirror, and shew that the total length of path equals the distance of the eye from the image.

11. When radiant energy passes through a prism, when is the deviation a minimum? Deduce the equation between the minimum deviation, the angle of the prism, and the index of refraction.

12. Prove the formula $\frac{1}{v} - \frac{1}{u} = (\mu - 1) \left(\frac{1}{r} - \frac{1}{s} \right)$ for a concavo-convex lens, and deduce the corresponding formula for a convexo-plane lens.

13. What is meant by the *irrationality of dispersion*? Define the *dispersive power* of a medium, and find its value in terms of the indices of refraction of the medium.

Senior Physics.

Hydrostatics, Newton, and Astronomy.

N.B. Only 12 questions to be answered.

1. Find the resultant pressure and the centre of pressure of the water on an ordinary lock-gate, given the width of the gate and the depth of the water on each side.

2. Prove that in an atmosphere of uniform temperature at rest, and under the action only of weight, the pressure decreases in G.P. as the altitude increases in A.P. Hence determine approximately the vertical distance between two places at which the reduced readings of the barometer are h and h' .

3. A vertical cylinder, of height h and radius a , is half full of water, which rotates uniformly about the axis; find the greatest angular velocity which can be imparted to the water without causing an overflow.

4. A spherical surface contains gas at a given pressure, it is required to find the tension at any point. Equal masses of the same material are formed into two thin spherical vessels of given radii; compare the greatest fluid pressures they will sustain.

5. Apply Newton Lemma III to find (1) the area of a parabola bounded by a diameter and an ordinate, (2) the centre of volume of a hemisphere.

6. A body moves in the circumference of a circle, to find the law of centripetal force, tending to any given point in the plane of the circle.

7. If a body revolve in an equiangular spiral, required the law of centripetal force tending to the pole of the spiral.

8. Enunciate Kepler's laws of planetary motion, and give the deduction from each.

9. Define *prime vertical*, *inferior* and *superior conjunction*, *greatest elongation*, *sidereal* and *mean solar time*.

10. Given the latitude of a place and the declination of the sun, how is the apparent solar time of sun-rise found (refraction being neglected)? When is the answer impossible?

11. Explain briefly the cause of the revolution of the pole of the equinoctial round that of the ecliptic ; also of its nutation. What effects do these motions produce on the equinoctial points, and the apparent places of the sun and stars ?

12. Explain in what way the latitudes may be determined by observations in or out of the plane of the meridian ; also how the longitude is found, and in particular by telegraphic communication between two places, the longitude of one of which is accurately known.

13. State Cavendish's experiment for determining the mean density of the earth, and show how its amount is deducible from the attraction of the small by the large balls.

14. At what angle measured from the syzygies is the tangential component of the sun's disturbing force on the moon's motion in its orbit a maximum ? Prove your answer, and shew the application of the reasoning to the action of the sun and moon in giving rise to the tides.

Junior Philosophy.

FIRST PAPER.

N.B. Candidates must not attempt more than six questions.

1. "A relative truth is one which is true for one kind of mind but not for another." Defend or criticise this saying of Ferrier.
2. Is there any unwarrantable assumption implied in the "Cogito ergo sum" as understood by Descartes?
3. Criticise Grote's defence of the "homo mensura."
4. Compare the ethical doctrine of the Cyrenaics with Utilitarianism.
5. "Justice consists in giving to each man his due." What are the steps by which Plato, starting from this definition, reaches the conclusion that Justice is the "art of doing good to all men?"
6. Compare the earlier with the later form of education set forth in the "Republic," and account for the change.
7. Give Plato's classification of the Appetites, with explanations of each species.
8. Criticise and revise the classification.
9. State and examine Plato's final conception of Justice in the state.
10. Explain the simile of the Divided Line.
11. Give a summary of Plato's discussion of the nature of Pleasure.
12. How far does Aristotle's doctrine of Substance avoid the difficulties of Plato's theory of Ideas?

Junior Philosophy.

SECOND PAPER.

N.B. Candidates must not attempt more than six questions.

1. "Knowledge rests on experience." In what sense is this false, in what sense true?
2. Can the consciousness of Space 'be derived from sensation? State what seems to you the true view.
3. "The intelligible world is the sensible world properly understood." Explain.
4. "Qualities are relations." How does this principle apply to the "indestructibility of matter?"
5. How far is it true that "all changes are modes of motion?"
6. How does consciousness differ from sensation as to (a) multiplicity, (b) unity?
7. Contrast the Kantian view of causality with that of Hume.
8. Trace the stages in the development of self-consciousness.
9. Express in terms of modern thought the problem of the "Parmenides."
10. State the main points in the psychology of Aristotle.
11. What is the value of the ethical doctrine which Darwin bases upon the theory of evolution?
12. Examine the doctrine of the Relativity of Knowledge as held by Mr. Herbert Spencer.

Junior Philosophy.

LOGIC.

For Extra-mural Students.

1. State the different kinds of Immediate Inference, and give an example of each.

2. Why is IE an inadmissible, while EI is an admissible, mood in every figure of the syllogism?

3. Shew that it is impossible to have the conclusion in A in any figure but the first.

4. Consider the validity of the following arguments:

1. Knavery and folly always go together; so, knowing him to be a fool I distrusted him.

2. If I deny that poverty and virtue are inconsistent, and you deny that they are inseparable, we can at least agree that some poor are virtuous.

3. How can you deny that the infliction of pain is justifiable if punishment is sometimes justifiable and yet always involves pain?

5. What conclusions, if any, can be drawn respectively from the following pairs of propositions?

1. There is no Turk that is not brave. None but the brave deserve the fair.

2. None but gentlemen are members of the club; some members of the club are not officers.

3. No X is Y unless it is Z,
No Z is both X and Y.

6. Write the following argument in syllogistic form, and reduce it to Figure I:—

Falkland was a royalist and a patriot; therefore, some royalists were patriots.

7. State and explain the Inductive Method of Concomitant Variations.

Junior Philosophy.

PSYCHOLOGY.

For Extra-mural Students.

1. On what grounds does Dewey claim Psychology to be a central science?

2. "While knowledge as to its *form* is individual, as to its *content* it is universal." Explain and examine.

3. "Sensations are not, *of themselves*, knowledge. They are the necessary conditions or raw material of knowledge." Explain and criticise the view of sensation here indicated.

4. What is Dewey's conception of the relations to each other of knowledge, feeling and will?

5. If "actual knowledge is concerned with relations," what must be the nature of known objects?

6. "Perception is narrowly confined to what is immediately before it. What has existed and what may exist it has nothing to do with." Examine.

Junior Philosophy.

POLITICAL ECONOMY.

1. Shew that the consequences of the principle of diminishing returns are of most importance in agricultural industry.

2. How does competition regulate industry? What determines exchange between non-competitive classes in society?

3. What is the function of the manager in industry?

4. Shew that the over population of a country is relative to the industrial development of its people.

5. On what conditions depends the successful employment of paper money?

6. Distinguish real and nominal wages.

7. What are the conditions of a just system of taxation?

8. Does a protective tariff necessarily enrich manufacturers of protected articles? When it does, who pays for their enrichment?

9. Why is it that co-operative stores are usually more successful than co-operative factories?

Junior Philosophy.

SOCIETY AND THE STATE.

2. Compare the views of Hobbes and Locke as to the relation of the citizens to the sovereign.
2. Compare the views of Hobbes and Rousseau as to sovereignty.
3. Point out Rousseau's mistake in supposing that a state could at any time adopt a quite new political constitution.
4. Shew that man's natural wants are the necessary conditions of his highest social development.
5. Can society be properly described as an organism?
6. What is the difference between modern society and the modern state?
7. Why does Plato devote so little attention to the economic aspect of society?

Political Economy.

FIRST PAPER.

1. State Mill's views on the cost of production in relation to value.
2. Compare Smith's theory of rent with that of Ricardo.
3. What is the precise function of capital in modern industry?
4. Point out the advantages and disadvantages of the modern methods of exchange which so largely supplant the use of money.
5. What does Marx understand by "surplus produce"? What is its real significance?
6. Criticise Walker's views of wages as an element in distribution.
7. Estimate the value of Smith's four canons of taxation.

Political Economy.

SECOND PAPER.

1. Consider whether the evils resulting from competition may not be due to imperfect, rather than excessive, competition.

2. Trace the economic conditions which have led to trade combinations and estimate their tendencies for the future.

3. Outline the general development and influence of trade unions during the present century.

4. Sketch the origin and leading features of the craft guilds.

5. State the economic aspects of feudalism in England.

6. How would the nationalisation of the land affect old and new countries respectively?

7. Consider the commercial consequences of British Imperial Federation with a protective tariff common to the whole empire.

Senior Philosophy.

FIRST PAPER.

1. What are the relations of Dogmatism, Scepticism and Criticism ?

2. "That 'Body is extended' is an analytic judgment." "To know anything spatial I must produce by synthesis a definite combination of the given elements." Can these two propositions be reconciled with each other ?

3. "The Category has no other application than to objects of experience." Explain.

4. What place have the Analogies of Experience in the determination of phenomenal reality ?

5. What is Kant's general solution of the Dynamical Antinomies ?

6. Distinguish between the reflective and the determinant judgment.

Senior Philosophy.

SECOND PAPER.

1. How does Green differ from Kant in his theory of Knowledge?
2. Compare the ethical doctrines of Kant and Green.
3. Discuss the problem of human freedom in its relations to (*a*) circumstances, (*b*) character.
4. Criticise the fundamental principles of hedonism.
5. Compare the Greek and the modern conceptions of virtue.
6. Estimate the practical value of an idealist ethics.

Chemistry.

N.B. Give equations and formulas, where possible.

I.

1. If 200 c.c. of each of the gases, phosphoretted hydrogen, sulphuretted hydrogen, hydrochloric acid, and ammonia, be decomposed at 1040° C, what volume of each element will be set free in each case,—the temperature and pressure being supposed to remain unchanged?

2. Describe the allotropic forms of sulphur, and give a method of preparing each of them.

3. (a) How is fluorine prepared? (b) What are its properties?

4. Describe carefully the changes, chemical and physical, which take place when the following are heated from the ordinary temperature of the air to a dull red heat:

(a) Potassic chlorate.

(b) Ammonic sulphate.

(c) Plumbic nitrate.

(d) Sodid di-hydric phosphate.

(e) Argentic oxide.

5. (a) What substances are present in the ordinary baking powders? (b) Explain their action.

6. (a) How is hydrogen peroxide prepared? (b) What are its properties?

7. How is the metal aluminium prepared?

8. (a) Describe a method of preparing hydriodic acid. (b) Mention the chief properties of the acid.

9. Write an equation representing the action of sulphur dioxide on a solution of potassic bichromate acidified with sulphuric acid.

10. What substances are formed when sulphuric acid acts on the following:

(a) Bleaching powder.

(b) Iron.

(c) Cane sugar.

(d) Silver.

(e) Charcoal.

Mention in each case the conditions of temperature and concentration of acid.

Chemistry.

N.B. Give equations and formulas, where possible.

II.

1. State the grounds on which 12 has been chosen for the atomic weight of carbon.

2. Explain what is meant by the *Periodic Law of the Elements*, and illustrate by reference to the first horizontal and the first vertical series.

3. Define the terms *crystal*, *system*, *plane of symmetry*, and *edge*, as used in crystallography.

4. What substances are formed when ethylic alcohol is acted upon by :—

(a) Sulphuric acid.

(b) Sodid hydroxide.

(c) Phosphorus trichloride.

(d) Potassic bichromate and dilute sulphuric acid.

(e) Chlorine.

5. Write the formulas and names of the isomeric substances which can be formed by replacing two of the hydrogen atoms of benzene by chlorine.

6. (a) How is oxalic acid prepared? (b) Mention its chief properties. (c) Name the substances formed when it is heated alone, and when it is heated with glycerine.

7. Write the names and formulas of the first six members of the paraffin series, and state how these substances are related to each other.

8. (a) Why is the formula for ferric chloride written Fe_2Cl_6 , and not FeCl_3 ? (b) Discuss the case of aluminic chloride.

9. (a) Describe *two* methods of preparing acetic acid. (b) Write the formulas of ferric, ammonic, zincic, and ethylic acetates.

10. Name the principal chemical compounds present in pure wheat flour.

Natural Science.

FIRST PAPER.

1. State and explain fully four points of resemblance between plants and animals.

2. Describe fully one of the protecting organs and one of the essential organs of a complete flower.

3. By what characters are (1) Anemophilous (2) Entomophilous flowers distinguished?

4. Describe the three principal elements composing a vegetable cell.

5. The rate of transpiration of water from leaves is affected by various circumstances. Write notes on three of these.

6. Classify and name the bones in the human leg and foot.

7. Explain fully the different modes of reproduction among the Protozoa.

8. Trace out the embryological development of *Taenia solium*, or *Trichina spiralis*.

9. Describe the skeleton of a Crow's leg and foot.

Natural Science.

SECOND PAPER.

1. Define the terms: Coenosarc, Hydrosome, Polypite, Somite, Ectoderm, Notochord, Epithelial tissue, Ambulacral ossicle, Aristotle's lantern, Acetabulum.
2. Describe as fully as you can the Morphology and mode of nutrition of a simple Sponge.
3. Give a classification of the Fragmental rocks.
4. Among the minerals constituting rocks mention (1) three native elements, (2) three Oxides, (3) three families of Silicates, (4) two Carbonates, and give any facts you know about their occurrence.
5. Give a list of the Carbonaceous rocks and describe the mode in which three of them have been formed.
6. Describe the geological effects of earthquakes.
7. Give illustrations of the geological effects of Life,
 1. Conservative,
 2. Destructive,
 3. Reproductive.
8. Describe five different types of volcanic cones, and give a list of the substances thrown out from volcanoes.

Junior English.

FIRST PAPER.

1. Give an outline of the plan of the *Canterbury Tales*. Describe the characters of the *Clerk of Oxenford*, the *Marchaunt*, the *Schipman*, and the *Sergeant of Lawe*, with illustrative quotations.

2. Turn into modern English the following lines, referring to the context :—

- (a) Wel coude he dresse his takel yemanly;
His arwes drowpede nought with fetheres lowe
- (b) His purchas was wel better than his rente.
And rage he couthe as it were right a whelpe
In love-dayes couthe he mochel helpe.
- (c) Ful semely after hire mete sche raughte,
And sikerly sche was of gret disport,
And ful pleasaunt and amyable of port
And peynede hire to countre cheere
Of court and ben establich of manere.

Scan the last passage (c) and write notes on the words *couthe*, *yemanly*, *hire*, *cheere*, *ben*, *estatlich*, *manere*.

3. "Shakespeare's Cæsar is boastful, arrogant, apprehensive and superstitious."

Mention some of the incidents in the play on which this judgment is founded. Has Shakespeare historical authority for this view of Cæsar, or how, otherwise, would you explain it?

4. It has been said that Shakespeare's Romans are Englishmen. Discuss this question. Can you point to anything distinctively Roman in the characters of Brutus, Cassius and Antony?

5. He hath brought many captives home to Rome,
Whose ransom did the general coffers fill;
Did this in Cæsar seem ambitious.
When that the poor hath cried, Cæsar hath wept:

Ambition should be made of sterner stuff.

.....
You all did see that on the Laparcal
I thrice presented him a kingly crown,
Which he did thrice refuse. Was this ambition?
Yet Brutus says, he was ambitious;
And sure, he is an honourable man.

.....
You all did love him once, not without cause:
What cause withholds you, then, to mourn for him?
O judgment, thou art fled to brutish beasts,
And men have lost their reason! Bear with me:
My heart is in the coffin their with Cæsar,
And I must pause till it come back to me.

(a) Comment on Antony's arguments here and on his character generally, as shown in this address to the people.

(b) Explain all grammatical peculiarities in the above passage. Notice and define the figures of speech which occur. Scan the 3rd, 4th and 8th lines.

6. "Wherever regular metre can be rendered truly imitative of character, passion, or personal rank, Shakespeare seldom, if ever, neglects it." (Coleridge.)

Illustrate this by quotations. Mention some occasions on which Shakespeare uses prose in this play, and give a reason for his doing so in each case.

7. Explain, with reference to the context, the following extracts:—"Were I a common laughèr." "Bestride the narrow world like a Colossus." "Sign'd in thy spoil and crimson'd in thy lethe." "Cry 'Havoc!' and let slip the dogs of war." "That day he overcame the Nervii." "Do not talk of him but as a property." "I have as much of this in art as you, but yet my nature could not bear it so." "Old Cæssius still." "You know that I hold Epicurus strong."

8. Characterise briefly the styles of the following:—Jeremy Taylor, Addison, Johnson, Burke, Macaulay.

9. Give a short account of the works of Dunbar, Earl of Surrey, Francis Bacon.

Junior English.

SECOND PAPER.

1. "Respecting man whatever wrong we call
May, must be right, as relative to all."

What does Pope mean here, and how does he prove his point?

2. Ask of the learn'd the way? The learn'd are blind;
This bids to serve, and that to shun mankind;
Some place the bliss in action, some in ease,
Those call it pleasure, and contentment these;
Some sunk to beasts, find pleasure end in pain;
Some swell'd to gods, confess e'en virtue vain;
Or indolent, to each extreme they fall,
To trust in ev'ry thing, or doubt of all.

(a) Explain fully the meaning of these lines and refer to historical facts which support Pope's characterisations here.

(b) Scan these lines and contrast their rhythm and grammatical structure with those of Shakespeare's blank verse.

3. Write explanatory notes on the following lines, noticing any allusions they contain and indicating the place they hold in Pope's argument:—

"Why then a Borgia, or a Catiline!"

"Mark how it mounts to man's imperial race
From the green myriads in the peopled graes."

"As full as perfect, in a hair or heart."

"But heaven's just balance equal will appear
While those are placed in hope and these in fear."

"See Faulkland dies, the virtuous and the just!
See god-like Turenne prostrate on the dust!"

"Alas! not all the blood of all the Howards."

"To all beside as much an empty shade
An Eugene living, as a Caesar dead."

“From Macedonia’s madman to the Swede.”

“The wisest, brightest, meanest of mankind.”

“Or he whose virtue sighed to lose a day.”

4. Give an outline of the argument in the Fourth Epistle of the *Essay on Man*, and criticise it.

5. Show how the *Essay on Man* illustrates the intellectual and moral characteristics of the age in which it was written.

6. Tell what you know of the following writings :—*Utopia*, *Chevy Chase*, *Ship of Fooles*, *Arcadia*, *Euphues*.

7. Write short notes on any six of the following Shakesperean characters, introducing a characteristic saying or quotation in each case :—Polonius, Jaques, Malvolio, Lady Macbeth, Falstaff, Touchstone, Bottom, Mercutio.

Senior English.

FIRST PAPER.

1. Full many a deynté hors hadde in stable ;
And when he rood, men mighte his bridel heere
Gynglen in a whistlyng wynd as cleere,
And eek as lowde as doth the chapel belle.
Ther as this lord was kepere of the selle,
The reule of seynt Maure or of seint Beneyt
Bycause that it was old and somdel streyt,
This ilke monk leet olde thinges pace
And helde after the nowe world the space.
He yaf not of that text a pulled hen
That seith that hunters been noon holy men ;
* * * * *
What schulde he studie, and make himselven wood,
Uppon a book in cloystre alway to powre.
Or swynke with his handes, and laboure,
As Austyn byt? How schal the world be served ?
Lat Austyn have his swynk to him reserved.
Therefore he was a pricasour aright.

(a) Turn the above passage into modern English, explaining the allusions it contains.

(b) Write notes, grammatical and philological, on the following forms : *deynté*, *rood*, *heere*, *gynglen*, *cleere*, *kepere*, *reule*, *seynt*, *somdel*, *ilke*, *leet*, *yaf*, *noon*, *schulde*, *swynke*, *byt*, *aright*.

2. Analyse carefully Chaucer's conception of the *Knight* and contrast it with his description of the *Marchaunt*. Quote freely in illustration of your remarks.

3. Note the chief points of contrast between the social and intellectual characteristics of our own time and that of Chaucer, as shown in the descriptions of the Prologue.

4. Give a sketch of the development of English poetry from Chaucer to Spenser, indicating the influences at work.

5. Give an account of the following works: *Mort D'Arthur*, *Euphues*, *Shepheardes Calendar*.

6. "In the midst of the Babel of dialects there suddenly appeared a standard English language in the writings of Chaucer and Gower." Account for this fact, and mention the chief characteristics of Chaucer's language under the heads of (1) Grammar, (2) Orthography, (3) Vocabulary.

7. Classify the principal elements in the vocabulary of the English language, and indicate circumstances that led to their introduction.

8. Mention the chief characteristics in grammar and vocabulary which now distinguish English from other Teutonic languages, and note the tendencies of the present age.

Senior German.

FIRST PAPER.

I.

1. Translate into German :

(a) He ought to have paid his debts. Have you had the general invited? The children are not allowed to play in this room. It is an illness against the progress of which one cannot apply remedies. In all Canada such a man is not to be found. Had Cæsar not been murdered he would have accustomed the Romans to his supremacy as well as Augustus. I wish the examinations were over. I wish you to do the work. The prisoner was hanged for killing a man. After having received my money I paid my debts. Coming home late at night I met a man who threatened to kill me, if I would not give him all my money. I assert that this general, whom all admire, would have rescued his country, if the great number of enemies had not rendered all resistance impossible.

(b) What was I going to say? That does not matter. I cannot help it. That is none of your business. It serves her right. She is an Englishwoman by birth. My cousin is master of the German language.

(c) My dear Friend :

I understand that you are in the habit of going to bed early, and that you don't get up till breakfast is ready. Is that true? I can hardly believe it, because I should think you know better how to employ your time.

Man lives but as long as he is awake and does something useful. If you snore away twelve hours out of every twenty-four, you live but one half of your life, and he who reaches the age of fifty, of which he has

passed one half in bed, cannot be said to have lived more than fifteen years, because he spent the rest of his time in eating, drinking, playing, dressing and other more or less useless things.

What shall we be able to say in justification of such an abuse of our time?

You will find that six or seven hours out of twenty-four are quite sufficient to recover strength against the fatigues of the following day.

The less you sleep, the longer you live, and in employing your time usefully consists the great art of prolonging life.

Take my advice: try to get rid of that bad habit. It can but be conducive to your health and promote your own interest.

Your well-wisher

John Bennett.

2. Write in German a short composition on *Wallenstein*.

II.

Translate at sight:

(a) Unter den deutschen Stämmen, welche die Völkerwanderung in den Vordergrund der Geschichte stellt, erscheint der Stamm der Goten als der edelste von allen. Keines der anderen Völker war gebildet wie sie, keines so anerkennend gegen fremde Kunst und Gelehrsamkeit und so begierig und befähigt, sich dieselbe anzueignen; keines darum so milde nach dem Sieg, so gerecht und nachsichtig gegen die Beherrschten. Die Goten sind das vorgeschrittenste Volk unter den Germanen. Aber wie ein genialer Mensch, verzehrte es seine Kräfte in allzu hochgespanntem Streben und starb jung dahin mitten in einer glänzenden Laufbahn.

Was den Westgoten auf dem Gebiete der Religion Wulfila (gest. 381) gewesen, indem er ihnen mit einem Schlage die Bibel zueignete, den höchsten geistigen Besitz des sinkenden Römertums, das bedeutete für die

Ostgoten auf dem Gebiete des Staates Theodorich der Grosse, er der mit Rat und Befehl einem Fürsten gleich noch über allen Fürsten der Germanen stand. Freilich nur ein kurzes Dasein war dem ostgotischen Reiche in Italien beschieden: die nach dem Tode des Begründers entstandenen Wirren wusste der byzantinische Kaiser Justinian klug zu benutzen, um seinen Ansprüchen auf das Erbe des weströmischen Reiches durch die Feldherrnkunst eines Belisar und Narses Nachdruck zu geben.

Dahn, *Kampf um Rom.*

(b) Nun, junger Herr Professor? Mein Stil gefällt Ihnen nicht! Es mag sein,—ich gebe zu, dass Sie ein besserer Journalist sind; hier aber, wo es Ernst gilt, sollen Sie doch einmal nicht Recht behalten!—(*Pause.*) Vielleicht wird es nöthig, dass ich heut Abend einige Worte rede. Vor meinem Regiment hatte ich doch den Ruf, dass ich immer treffend zu sprechen wusste, aber bei diesen Manövern im Civilrock fühle ich mich unsicher. Ueberlegen wir! Es wird schicklich sein, dass ich in meiner Rede auch Oldendorf erwähne, natürlich mit Achtung und Anerkennung. Ja wohl, das muss ich thun. Er ist ein redlicher Mann von vortrefflichem Herzen, und ein Gelehrter von gutem Urtheil. Und er kann sehr liebenswürdig sein, wenn man von seinen politischen Theorien absieht. Wir haben glückliche Abende mit einander verlebt.

Freytag, *Die Journalisten.*

Senior German.

SECOND PAPER.

I.

Translate :

Tempelherr. Du weisst von Nathans Tochter, Sultan.

Was

Ich für sie that, das that ich,—weil ich's that.
Zu stolz, Dank einzuernten wo ich ihn
Nicht säete, verschmäht' ich Tag für Tag,
Das Mädchen noch einmal zu sehn. Der Vater
War fern; er kommt; er hört; er sucht mich auf;
Er dankt; er wünscht, dass seine Tochter mir
Gefallen möge; spricht von Aussicht, spricht
Von heitern Fernen—Nun, ich lasse mich
Beschwatzen, komme, sehe, finde wirklich
Ein Mädchen. . . Ah, ich muss mich schämen, Sultan!
Saladin. Dich schämen?—dass ein Judenmädchen
auf

Dich Eindruck machte: doch mohl nimmermehr?

Tempelherr. Dass diesem Eindruck, auf das liebliche
Geschwätz des Vaters hin, mein rasches Herz
So wenig Widerstand entgensetzte!—
Ich Tropf! ich sprang zum zweiten Mal in's Feuer.—
Denn nun warb ich, und nun ward ich verschmäht.

Lessing, *Nathan der Weise*, IV., 4.

1. Give principal parts of strong verbs.
2. Give with def. art. nom. sing. and plur. of nouns.
3. What is the denouement of this drama?
4. Describe in German the character of the Tempelherr.
5. Write a criticism on this play.
6. Mention any other of Lessing's works where his religious views are given. Compare with *Nathan*.

II.

Translate :

(a) Aber die sicherste Bürgschaft, für den glücklichen Erfolg seiner Unternehmung fand Gustav Adolph—in sich selbst. Die Klugheit erforderte es, sich aller äusserlichen Hilfsmittel zu versichern und dadurch sein Unternehmen vor dem Vorwurf der Verwegenheit zu schützen ; aus seinem Busen allein nahm er seine Zuversicht und seinen Muth. Gustav Adolph war ohne Widerspruch der erste Feldherr seines Jahrhunderts und der tapferste Soldat in seinem Heere, das er sich selbst erst geschaffen hatte. Mit der Taktik der Griechen und Römer vertraut, hatte er eine bessere Kriegskunst erfunden, welche den grössten Feldherren der folgenden Zeiten zum Muster diente. Die unbehilflichen grossen Escadrons verringerte er, um die Bewegungen der Reiteri leichter und schneller zu machen; zu eben dem Zwecke rückte er die Bataillons in weitere Entfernungen aus einander. Er stellte seine Armee, welche gewöhnlich nur eine einzige Linie einnahm, in einer gedoppelten Linie in Schlachtordnung, dass die zweite anrücken konnte, wenn die erste zum Weichen gebracht war. Den Mangel an Reiterei wusste er dadurch zu ersetzen, dass er Fussgänger zwischen die Reiter stellte, welches sehr oft den Sieg entschied ; die Wichtigkeit des Fussvolks in Schlachten lernte Europa erst von ihm. Ganz Deutschland hat die Mannszucht bewundert, durch welche sich die schwedischen Heere auf deutschem Boden in den ersten Zeiten so rühmlich unterschieden.

Schiller, *Geschichte des 30jährigen Kriegs.*

(b) Endlich verliess Tilly seine Hügel und wagte den ersten Angriff auf die Schweden ; aber von der Heftigkeit ihres Feuers wendete er sich zur Rechten und fiel in die Sachsen mit solchem Ungestüm, dass ihre Glieder sich trennten und Verwirrung das ganze Heer ergriff. Der Kurfürst selbst befand sich erst in Eilen-

burg wieder; wenige Regimenter hielten noch eine Zeit lang auf dem Schlachtfelde Stand und retteten durch ihren männlichen Widerstand die Ehre der Sachsen. Kaum sah man diese in Unordnung gerathen, so stürzten die Kroaten zur Plünderung, und Eilboten wurden schon abgefertigt, die Zeitung des Siegs zu München und Wien zu verkündigen.

Ibid.

1. *Escadrons* (a). What nouns form their plural in *s*?
2. What was the issue of the engagement mentioned in (b)? Where did it take place?
3. Give, after Schiller, a short sketch of the Thirty Years' War as far as B. III.

III.

1. Classify Schiller's works and mention the leading events in the poet's life.
2. Give some account of the principal poets who lived in Weimar at the time of Schiller.
3. What literary quarrel took place in Germany at or before the time of Lessing? What was the result? Give Lessing's position with respect to it.

Honour Papers,

ARTS.

Honour Classics.

Greek Books.

Translate with short notes :

Thucydides, B. i., ch. 22.

B. ii., ch. 41.

B. iii., ch. 38.

Herodotus, B. ix., ch. 33.

Translate with short notes :

Demosthenes, De Corona, p. 231.

Pindar, Isthmia, iii., 55-75.

Translate and explain :

Plato, Republic, p. 443, C-E.

Aristotle, Ethics, B. x., ch. 3, §§ 1-5.

Translate with short notes :

Homer, Iliad, B. xviii., 170-180.

B. xxii., 345-360

Odyssey, B. vi., 223-238.

B. xii., 340-351.

Translate with short notes :

Sophocles, Ajax, 596-616.

Oedipus Rex, 167-190.

Antigone, 1115-1136.

Aeschylus, Agamemnon, 1372-1392.

Prometheus, 1007-1025.

Translate with short notes :

Euripides, Medea, 1351-1366.

Aristophanes, Clouds, 743-763.

Latin Books.

Translate with short notes :

Tacitus, *Annals*, B. I., ch. 57.

Livy, B. xxi., ch. 33.

Translate with short notes :

Cicero, *De Oratore*, B. ii., ch. 39.

De Natura Deorum, B. ii., ch. 47.

Pro Murena, ch. 30.

Translate with short notes :

Lucretius, B. iii., 416-430 ; 1053-1067.

Virgil, *Aeneid*, B. ix., 530-548.

B. xii., 938-952.

Translate with short notes :

Plautus, *Trinummus*, 191-222.

Terence, *Phormio*, 120-152.

Translate with short notes :

Horace, *Odes*, B. ii., 9.

Satires, B. ii., 6, 1-19.

Juvenal, *Satires*, iii., 105-124.

For Unseen Translation.

Livy, B. v., ch. 39.

Thucydides, B. iv., ch. 69.

There is no person in that age about whom historians have been more divided, or whose character has been drawn in such opposite colours. Personal intrepidity, military skill, sagacity and vigour in the administration of civil affairs, are virtues which even his enemies allow him to have possessed in an eminent degree. His moral qualities are more dubious, and ought neither to be praised nor censured without great reserve and many distinctions. In a fierce age, he was capable of using victory with humanity, and of treating the vanquished with moderation. A patron of learning, which among martial nobles was either unknown or despised. Zealous for religion, to a degree which distinguished him even at a time when professions of that kind were not uncommon. His confidence in his friends was extreme, and inferior only to his liberality towards them, which knew no bounds. A disinterested passion for the liberty of his country prompted him to oppose the pernicious system which the Princes of Lorrain had obliged the Queen-mother to pursue. On Mary's return into Scotland, he served her with a zeal and affection to which he sacrificed the friendship of those who were most attached to his person.

(a) When Margaret had been defeated in the battle she fled with her son into a forest, where she endeavoured to hide to avoid death. Here she wandered about in hunger and weariness, till at last she was so spent that she sank down to die. Suddenly she saw a robber approach with a sword ; and having no means of escape she resolved to appeal to him for protection. Advancing towards him, she told him in what case she was, and that she committed to his charge her boy, who was the king's son. The man was so surprised by the strangeness of the event, that he gave her his promise, not only to abstain from injuring her, but also to do his best to help her against her foes. By his aid she stayed some time in the forest in safety, and at last, when she found an opportunity, escaped to France, promising, if ever she became powerful, to reward him.

(b) It was about two years or more after this incident, that the first breach of union in the confederacy of Delos took place. The important island of Naxos, the largest of the Cyclades,—an island which thirty years before had boasted a large marine force and eight thousand hoplites,—revolted ; on what special ground we do not know : but probably the greater islands fancied themselves better able to dispense with the protection of the confederacy than the smaller,—at the same time that they were more jealous of Athens. After a siege of unknown duration, by Athens and the confederate force, it was forced to surrender, and reduced to the condition of a tributary subject ; its armed ships being doubtless taken away, and its fortifications razed : whether any fine or ulterior penalty was levied, we have no information.—*Grote.*

Questions on Latin Books.

1. Sketch the history of Latin literature before Plautus.
2. "*O dimidiate Menander.*" Explain as applied to Terence.
3. What conditions were favourable to the growth of eloquence at Rome?
4. Give a brief analysis of any speech of Cicero with which you are familiar.
5. Give some idea of the argument of the second book of the *De Natura Deorum*.
6. State and criticise Livy's conception of history.
7. "The greatness of the destinies of Rome was the main subject of the *Aeneid*." Explain.
8. "Horace is the most original poet of Rome." Examine this criticism.
9. Characterise briefly the Satires of Juvenal.
10. What is meant by *hendiadys*, *anacoluthon*, *asyndeton*, *litotes*, in Latin style?
11. Trace the events that led to the death of Cicero.

Questions on Greek Books.

1. Distinguish the Greek dialects and mention writers in each.
2. Collect peculiarities in the dialect of Herodotus.
3. "The two most obvious qualities of Pindar's poetry are rapidity and radiance." Illustrate.
4. Compare Aeschylus and Sophocles as dramatists.
5. State briefly and illustrate the essential differences between the Greek and the modern drama.
6. "The two most obvious changes which Euripides introduced were the prologue and the *deus ex machina*." Explain and illustrate from your play.
7. Characterise the Old and the New Comedy.
8. "It is in the narrative that we must look for the literary perfection of Thucydides." Explain.
9. Compare the Athenian character as portrayed by Thucydides (1) with the Spartan character; (2) with the Athenian character as portrayed by Demosthenes.
10. State and criticise after Aristotle the views of Eudoxus with regard to pleasure.
11. Sketch the political condition of Greece at the accession of Philip of Macedon.

Grammar and Philology.

1. State the difference between *quum* and *quando*, *quamvis* and *quamquam*.
2. When is *qui* used with the subjunctive ?
3. How is the lack of a future inf. supplied in Latin ?
4. What are the Greek equivalents for *talis*, *qualis*, *tantus*, *quantus*, *quis*, *qui* ?
5. Which tenses of ἵσταναι have a transitive and which an intransitive sense ? Mention any other verbs with the like peculiarity.
6. Under what circumstances does the optative mood refer to past time ? Illustrate.
7. Give instances of *primary* and *secondary* verbal roots.
8. Classify the sounds in Greek and Latin according to the organs used in producing them.
9. Distinguish between *dynamic* and *phonetic* change.
10. Explain the nature of *labialism* and *dentalism*, and give examples in Greek and Latin.
11. Give instance of vowel-increase in Greek and Latin.
12. Distinguish between *formative* suffixes and suffixes of *inflection*.
13. State and illustrate Grimm's Law.
14. State the different theories of the origin of the augment.
15. Discuss the origin of the passive voice.

Honours in Philosophy.

FIRST PAPER.

N.B. Second Paper same as for Senior Philosophy.

1. Reinterpret the Aesthetic of Kant on the supposition that Space and Time are universal forms of Reality.

2. Is Kant's distinction of Analytic and Synthetic Judgments consistent with his Deduction of the Categories?

3. How will Kant's conception of the relations of Substance, Cause and Reciprocity be modified by one who accepts the principles of an Absolute Idealism?

4. How far can Kant's criticism of Rational Psychology be accepted?

5. Estimate the value of Kant's general solutions of the Mathematical and the Dynamical Antinomies.

6. Examine from your own point of view the Physico-theological, Cosmological and Ontological arguments.

Philosophy.

THIRD PAPER.

1. Compare with Plato's distinction of Opinion and Knowledge the Kantian contrast of Perception and Conception, and discuss the general problem of the relation between Universal and Particular.

2. Estimate the value of Aristotle's criticism of the doctrine that motion (*κίνησις*) is an essential attribute of Soul.

3. "Only the like can know the like." What are Aristotle's objections to this doctrine as applied to (*a*) Soul in general, (*b*) Sensation?

4. How does Aristotle apply his definition of Substance in determination of the nature of Soul?

5. Compare the Platonic and the Aristotelian conceptions of Justice.

6. Give Aristotle's criticism of the views of Eudoxus and Plato as to the nature of Pleasure, and estimate its value.

Philosophy.

FOURTH PAPER.

1. How was Descartes led to conceive of Nature as essentially dead matter ?

2. "Perfectissima ea erit methodus, quae ad datae ideae entis perfectissimi normam ostendit, quomodo mens sit dirigenda." Explain and examine.

3. "Spinoza provides an euthanasia for Theology." How far is this true ?

4. Is Spinoza's conception of the Infinite self-consistent ?

5. "Deus est omnium rerum causa immanens, non vero transiens." Explain and examine.

6. What is Spinoza's view of the relations of Intelligence and Will ? How far is it true ?

Philosophy.

FIFTH PAPER.

1. "The first step in philosophy is to examine our own powers and see to what things they are adapted." Examine this view of Locke.
2. Estimate the value of Locke's criticism of the doctrine of innate ideas.
3. State and examine Berkeley's derivation of Extension.
4. Is there evidence of internal development in the philosophy of Berkeley?
5. State and examine Hume's distinction of Impressions and Ideas.
6. Criticise Hume's view of the origin and nature of Justice.

Senior English.

SECOND PAPER.

1. "My lord I'll tell you ; that self bill is urged
Which in the eleventh year of the last king's reign
Was like, and had indeed against us passed,
But that the scrambling and unquiet time
Did push it out of question."

(a) How is the question spoken of here brought into connection with the main action of the play ?

(b) Distinguish the characters of the Archbishop and the Bishop.

2. "Now entertain conjecture of a time
When *creeping* murmur and the *poring* dark
Fills the wide vessel of the universe.
From camp to camp through the *foul womb* of night
The hum of either army stilly sounds,
That the fix'd sentinels almost receive
The *secret whispers* of each other's watch:
Fire answers fire, and through their paly flames
Each battle sees the other's *umber'd* face;
Steed threatens steed, in high and boastful neighs
Piercing the night's dull ear ; and from the tents
The armourers, accomplishing the knights,
With busy hammers closing rivets up,
Give dreadful note of *preparation*.

(a) Characterise the style of this passage. Comment particularly (1) on the force of the words in italics, (2) on the rhythmical qualities of the 2nd, 4th, 13th and 14th lines, and of any others that strike you as noteworthy.

(b) What is the function of the chorus in this play ?

4. What are the characteristics of the common English soldier as represented by Bates and Williams in this play ?

5. What are the threads of interest by which the series of plays from Richard II to Henry V are con-

nected? Notice the growing freedom in Shakespeare's conception of the historical drama.

6. Never was such a sudden scholar made;
Never came reformation in a flood
With such a heady current, scouring faults.

Is this a correct statement of the case? Discuss the character of Henry as he appears in the Eastcheap life, and as he shows himself after his father's death, noticing carefully the traits which preserve its unity.

7. Explain with reference to the context the following extracts:—"The singing masons building roofs of gold." "To mark the full-fraught man and best indued with some suspicion." "Trail'st thou the puissant pike." "A Whitsun morris-dance." "Help Hyperion to his horse." "In the quick forge and working house of thought." "Not for Cadwallader and all his goats."

8. Give an account of Marlowe's life and works. State carefully his position in the development of the English drama, and, in particular, of dramatic versification.

9. Characterise the lyrical poetry of the Elizabethan age. Quote a lyric from each of the following poets:—Marlowe, Shakespeare, Ben Jonson.

10. "The poet, we imagine, can never have far to seek for a subject; the elements of his art are in him, and around him on every hand; for him the Ideal world is not remote from the Actual, but under it and within it."

Explain Carlyle's meaning here, and illustrate by reference to the writings of Burns.

11. Explain carefully what Carlyle means by naming Sincerity as the excellence of Burns. Comment here on the connection between moral and æsthetic standards in art.

12. Explain the following extracts:—"Horace's rule *Si vis me flere*." "The passions of a Borgia." "Neither was the Holy Fair any Council of Trent, or Roman Jubilee." "The burin of a Retzsch." "This shaggy north-land Cacus." "Here also as at Thebes, and in Pelops' line was material Fate matched against man's Free-will." "Fletcher's aphorism." "This brilliant resuscitation of our 'fervid genius' " "Lady Grizzel Baillie's pathetic ballad." "Where bitter indignation can no longer lacerate his heart."

History.

FIRST PAPER.

Answers to only eight of the following questions required.

1. The history of Egypt down to its conquest by the Persians divides itself naturally into three periods. State these distinctly and the features peculiar to each.

2. Who were the Magians? Rawlinson says that the revolt of the pseudo-Smerdis was religious rather than national. Explain this.

3. Name the three leading tribes of Greece, and give a short account of the Doric migration.

4. Distinguish between the main features of Doric and Ionic civilization.

5. What was the character of Solon's legislation?

6. Name the Greek colonies west of Greece, and state whether Doric or Ionic.

7. What were the results of the Macedonian conquest of the East on the political and social condition of Greece?

8. Contrast Italian confederation with the isolation of the Greek states. What were the results in Italy and Greece respectively?

9. Give a short sketch of the war with Pyrrhus, its origin and its course in Italy.

10. What were the measures proposed by Tiberius, and also by Caius Gracchus. Criticise the measures and also the men.

11. Give a short criticism of the characters of Caesar, Pompey, and Cicero.

12. Who formed the second Triumvirate? What were the terms of their agreement? Who were the Liberators?

History.

SECOND PAPER.

Answers to only eight of the following questions required.

1. Distinguish between the civilization of the eastern and western parts of the Empire. How did the removal of the seat of Empire from Rome to Constantinople affect these distinctive civilizations ?

2. How did the growth of the Communes in France and their acquisition of freedom affect Feudalism ? State the form of the encroachment of Royalty on the freedom of the Communes.

3. Trace the growth of the French Monarchy (*a*) in the acquisition of territory, (*b*) in legislation, (*c*) judicially.

4. State the encroachment of the French crown on the privileges of the Gallican Church. What circumstances aided the crown in this encroachment ?

5. Why were the efforts of the Tiers Etat in the middle of the 14th century for independence so futile ?

5. From what sources were the revenues of the French crown derived ? Contrast these with the revenues of the English crown. What has been the result in each case ?

6. Describe the parties of the Guelphs and the Ghibellines, also the formation of the Lombard League. State the causes of the rapid development of the Lombard cities. Why was this development so short-lived ?

8. Give a short sketch of the Spanish Cortes, their origin, their constitution, and the amount of freedom they enjoyed.

9. Trace the origin and growth of Canon law.

10. What were the terms of the Charter of Henry I.

11. What is meant by *Firma Burgi*? When was it first adopted?

12. What is meant by an Estate? Illustrate it in the case of the Estate of the Clergy and also of the lay Peers.

13. What are the terms of the statutes on Supremacy and Uniformity passed in the first year of Elizabeth's reign?

15. What was the state of representation in England in the early part of this century, before the passing of the Reform Bill of 1832?

Junior French.

FIRST PAPER.

I.

1. Translate into French :

To-day is the 8th of April, 1889. When does college re-open? It will re-open on the first of October. What subjects are you going to study next session? I am going to study the most useful, such as Philosophy, Astronomy and so forth. Why did you go to the bookseller's this morning? I went to make some purchases. What purchases have you made? I have bought ten volumes of Victor Hugo's works, several note-books, pens, ink, pencils and letter-paper. How do you usually spend Sunday? I go to church twice, in the morning and evening, and in the afternoon I take a walk with a friend. Much snow has fallen during the night, but, if it will be warm during the day, it will all melt. What have you resolved? I have decided to go away immediately. You have been praising yourself the whole evening. Such conduct is not right. If you are not modest, pretend, at least, to be so. The clothes he has had made do not suit him. You who smile continually are not always the most amiable, nor the best. In order that we may command, we must sometimes obey. She is gone without having seen her son and daughter.

2. Write in French a short composition on Racine's *Iphigénie*.

II.

1. Write sentences showing the idiomatic uses of the verbs *aller*, *avoir*, *devoir*, *faire* and *venir*.

2. Give rules, with illustrative sentences, for the use of the subjunctive mood in French.

III.

Translate at sight :

Milton, libre et oublié, poursuivit avec ardeur la composition de son sublime ouvrage. Il avait alors cinquante-six ans ; il était aveugle, et tourmenté de la goutte. Une vie étroite et pauvre, de nombreux ennemis, le sentiment amer de ses illusions démenties, le poids humiliant de la disgrâce publique, la tristesse de l'âme et les souffrances du corps, tout accablait Milton ; mais un génie sublime habitait en lui. Dans ses journées rarement interrompues, dans les longues veilles de ses nuits, il méditait des vers sur un sujet depuis si long-temps déposé dans son âme, et qu'avaient mûri, pour ainsi dire, tous les événements et toutes les passions de sa vie. Séparé de la terre par la perte du jour et par la haine des hommes, il n'appartenait plus qu'à ce monde mystérieux dont il racontait les merveilles. "Donne des yeux à mon âme," disait-il à sa muse. Il voyait en lui-même, dans le vaste champ de ses souvenirs et de ses pensées. Les fureurs du fanatisme, l'enthousiasme de la révolte, les tristes joies des partis vainqueurs, les haines profondes de la guerre civile, avaient de toutes parts assailli et exercé son génie.

Villemain, *Eloge de Milton*.

Junior French.

SECOND PAPER.

I.

Translate into English :

(a) Les travaux du réservoir se terminèrent le lendemain de ce jour, vers cinq heures. Il avait trente mètres de long sur vingt de large, un mur solide l'entourait ; mais avant de poser les grilles commandées au Kligenthal, il fallait attendre que la maçonnerie fût bien sèche.

L'Ami Fritz.

1. *Travaux*. Give singular, and second plural with meaning of latter. Name, and distinguish between, other double plurals.

2. *Jour*. Distinguish between *jour* and *journée*, giving illustrative sentences.

3. *Il avait trente mètres, etc.* Translate : This room is fifteen feet long, ten feet wide, and fourteen feet high.

4. *Il fallait attendre*. Name other verbs followed by the infinitive without a connecting proposition.

5. *Que*. Give full form. *Fût*. Parse.

6. *Sèche*. Give masc. form. Name other adjectives that form their feminine irregularly.

(b) A cinq heures, la voiture roulait dans le chemin sablonneux de Tiefenbach. Hâan, regardant alors Kobus, le vit comme assoupi, le tête ballottant doucement sur l'épaule ; Il alluma sa grosse pipe et laissa courir. Une demi-lieue plus loin, pour couper au court, il mit pied à terre, et, conduisant Foux par la bride, il prit le chemin escarpé du Tannewald. Fritz resta sur le siège ! Il ne dormait pas, comme le croyait son camarade, et s'abandonnait à ses rêves... jamais il n'avait taut rêvé de sa vie.

Ibid.

1. Show the connection of the principal event narrated in this passage with the rest of the story.

2. Give pres. and p. participles, 1st pers. sing. pres. ind., pret. def., fut. and pres. subj. of all irregular verbs in the extract.

3. *Doucement.* How formed? Give exceptions.

4. *Une demi-lieue.* Write with the adjective following the noun.

(c) Voilà quinze ans que je vis tranquille avec ma vieille Katel—Je me suppose de la chance—Rien que d'avoir passé sur la place, elle a tout vu—Depuis que j'observe les femmes, et il y a pas mal de temps, je crois m'y connaître—Elle y est! se dit-il, c'est bonc'est bon! Maintenant je la reverrai, coûte que coûte; il faudrait rester ici trois jours, que cela me serait bien égal!—Car tu n'es pas le premier anabaptiste venu.

II.

Translate into English :

- (a) Seigneur, il n'est pas temps que nous partions encore.
La reine permettra que j'ose demander
Un gage à votre amour, qu'il me doit accorder,
Je viens vous présenter une jeune princesse:
Le ciel a sur son front imprimé sa noblesse.
De larmes tous les jours ses yeux sont arrosés;
Vous savez ses malheurs, vous les avez causés.
Moi-même (où m'emportait une aveugle colère!)
J'ai tantôt, sans respect, affligé sa misère.
Que ne puis-je aussi bien, par d'utiles secours,
Réparer promptement mes injustes discours!
Je lui prête ma voix, je ne puis davantage?
Vous seul pouvez, seigneur, détruire votre ouvrage:
Elle est votre captive; et ses fers, que je plains,
Quand vous l'ordonnerez, tomberont de ses mains.
Commencez donc par là cette heureuse journée.
Qu'elle puisse à nous voir n'être plus condamnée.
Montrez que je vais suivre au pied de nos autels
Un roi qui, non content d'effrayer les mortels,
A des embrasements ne borne point sa gloire,
Laisse aux pleurs d'une épouse attendrir sa victoire,
Et, par les malheureux quelquefois désarmé,
Sait imiter en tout les dieux qui l'ont formé.

Iphigénie, III, 4.

1. Who is the speaker?
2. *Seigneur; une jeune princesse.* Who?
3. *Davantage.* Distinguish from *plus*.
4. *Je ne puis.* What verbs may be used negatively without *pas* or *point*?

5. Parse *partions, puisse, laisse, désarmé sait*.

(b) Et tandis qu' à l'envi leur amour se déploie—Sans m'avertir du piège qu' on me dresse—Je ne vois plus que vous qui la puisse défendre—Gardez que ce départ ne leur soit révélé—C'est déjà trop pour moi que de vous écouter—Plus de pitié.

III.

1. Where did Racine get the subject-matter of *Iphigénie*? How does he differ from the original?

2. What was Racine's connection with the court? Name those of his contemporaries who were in any way connected with it, and state how.

3. Give some account of Racine's literary friends.

Senior French.

FIRST PAPER.

I.

Translate into French :

(a) Who is the richest merchant in the city of Kingston ? The richest merchant is Mr. A., who has a dry goods store. When does the French general intend to depart ? He is going to leave this day week. I am sorry to learn that you have a sore throat, and a headache, at the same time. I am angry with you for not coming sooner to see me. Do you always live on good terms with your friends ? I have more than two hundred dollars ; that's more than you have. You have a pretty purse there, how much did you give for it ? I have not yet paid for it. But surely you know the price of it, where did you buy it ? At Mr. Blanc's, I think the price was ten francs.

(b) I have a pretty little story to tell ; it is very true and it will amuse you. The king has lately become quite a poet, and frequently makes verses. The other day he composed a little madrigal, with which, however, he was not very well satisfied. The next time he saw Marshal de Gramont, he said to him : " Marshal, read this madrigal, and tell me if you ever saw anything so stupid. Since it is known that I am an amateur of poetry, I am continually annoyed by such productions." The marshal, after reading it, said to the king : " Your Majesty judges correctly of everything ; it is, indeed, the most ridiculous madrigal that I ever read." The king laughed heartily, and said : " Is not the composer a great ass ?" " Sire," replied the marshal, " it is impossible to call him anything else " " Well," said the king, " I am delighted to hear you

speak so frankly; I am the composer." "Good God! Sire, permit me to read it again, I perused it hastily." "No, no, marshal, first impressions are always the most natural."

Sévigné.

(c) Write a French composition on *Le siècle de Louis XIV.*

II.

Translate at sight:

(a) Il ne paraissait ni moins ému ni moins agité que Dimitri. Il me prit dans ses bras comme un enfant malade, et m'emporta tout d'une traite jusqu'au fond de cette chambre fatale où Vasile était enseveli. Il me déposa sur son propre tapis avec des précautions maternelles; il fit deux pas en arrière, et me regarda avec un curieux mélange de haine et de pitié. Il dit à Dimitri: "Mon enfant, c'est la première fois que j'aurai laissé un pareil crime impuni. Il a tué Vasile, cela n'est rien. Il m'a voulu assassiner moi-même, je le lui pardonne. Mais il m'a volé, le scélérat! Quatre vingt mille francs de moins dans la dot de Photini? Je cherchais un supplice égal à son crime. Oh! sois tranquille! J'aurais trouvé!.. Malheureux que je suis! Pourquoi n'ai-je pas dompté ma colère? Je l'ai traité bien durement. C'est elle qui en portera la peine. Si elle recevait vingt coups de bâton sur ses petits pieds, je ne la reverrais plus. Les hommes n'en meurent pas, mais une femme! Un enfant de quinze ans!"

Edmond About, *Le Roi des Montagnes*.

(b) Derrière une broussaille, il s'arrêta, défit son manteau, retourna sa veste du côté velu, rattacha à son cou son manteau qui était une guenille nouée d'une corde, et se mit en route.

Il faisait clair de lune.

Il arriva à un embranchement de deux chemins où se dressait une vieille croix de pierre. Sur le piédestal de la croix on distinguait un carré blanc qui était vraisemblablement une affiche pareille à celle qu'il venait de lire. Il s'en approcha.

Victor Hugo, *Quatre-vingt-treize*.

Senior French.

SECOND PAPER.

I.

Translate :

(a) 'Votre Altesse n'empêchera pas, par la force des armes, les suites du malheureux état que je vous marque et dont nous ne sommes peut-être que trop proches. Elle voit que le Parlement même a peine à retenir les peuples qu'il a éveillés; elle voit que la contagion se glisse dans les provinces; et la Guienne et la Provence donnent déjà très-dangereusement l'exemple qu'elles ont reçu de Paris. Tout branle, et Votre Altesse seule est capable de fixer ce mouvement par l'éclat de sa naissance, par celui de sa réputation et par la persuasion générale où l'on est qu'il n'y a qu'elle qui y puisse remédier.'

(b) 'Cela est bien à vous, répondit le Roi, mais dès que vous y consentez, votre père et votre mère ne s'y opposeront pas;' et se tournant à Monsieur: 'Est-il pas vrai, mon frère?' Monsieur consentit comme il avait déjà fait seul avec le Roi, qui tout de suite dit qu'il n'était donc plus question que de Madame, et qui sur-le-champ l'envoya chercher; et cependant se mit à causer avec Monsieur, qui tous deux ne firent pas semblant de s'apercevoir du trouble et de l'abattement de M. de Chartres.

Louis XIV.

1. Give participles, pres. and past, 1st sing. pres., pret. and fut. ind., and 1st sing. pres. subj. of all irregular verbs in the extracts.

2. Explain the reference in (a). Give some account of the speaker.

3. *Était, firent* (b). Give rules for the employment in French of the imperf., pret. def. and pret. indef.

4. *Tout de suite* (b). Give other adverbial expressions with *tout*.

5. *Firent semblant* (b). Write similar idiomatic expressions formed with *faire*, or other verbs.

II.

Translate :

(a) CLEANTE.—A vous en parler franchement, je ne l'ai pas trouvée ici ce que je l'avais crue. Son air est de franche coquette, sa taille est assez gauche, sa beauté très-médiocre, et son esprit des plus communs. Ne croyez pas que ce soit, mon père, pour vous en dégoûter; car, belle-mère. pour belle-mère, j'aime autant celle-là qu'une autre.

HARPAGON.—Tu lui disois tantôt pourtant..

CLEANTE.—Je lui ai dit quelques douceurs en votre nom, mais c'étoit pour vous plaire.

HARPAGON.—Si bien donc que tu n'aurois pas d'inclination pour elle?

CLEANTE.—Moi ? point du tout.

HARPAGON.—J'en suis fâché, car cela rompt une pensée qui m'étoit venue dans l'esprit. J'ai fait, en la voyant ici, réflexion sur mon âge; et j'ai songé qu'on pourra trouver à redire de me voir marier à une si jeune personne. Cette considération m'en faisoit quitter le dessein; et, comme je l'ai fait demander, et que je suis pour elle engagé de parole, je te l'aurois donné, sans l'aversion que tu témoignes.

Molière, *L'Avare*, IV, 3.

1. *Trouvée*. Rules for agreement of p. part., with examples.

2. *Que ce soit*. When is the subjunctive used ?

3. "Je prends mon bien où je le trouve" (Molière). Exemplify with reference to *L'Avare*.

4. How does *L'Avare* meet the requirements of the kind of comedy to which it belongs ?

5. What situation occurs in *L'Avare* in common with most of Molière's other works ? Does this detract from the author's merit or not, and why ?

6. Describe in French the character of Harpagon.

(b) O liberté de Rome ! ô mânes de mon père !
J'ai fait de mon côté tout ce que j'ai pu faire :
Contre votre tyran j'ai ligué ses amis,
Et plus osé pour vous qu'il ne m'étoit permis.
Si l'effet a manqué, ma gloire n'est pas moindre ;

N'ayant pu vous venger, je vous irai rejoindre,
Mais si fumante encor d'un généreux courroux,
Par un trépas si noble et si digne de vous,
Qu'il vous fera sur l'heure aisément reconnoître
Le sang des grands héros dont vous m'avez fait naître.

Corneille, *Cinna*, IV., 4.

1. Whose words?
2. Show their connection with the rest of the play.
3. Give the poetical words in the extract with their prose equivalents.
4. Rewrite the passage in prose order.
5. Explain metre. Whence so named? Where used? Scan first line.
6. Derive all the words of the last three lines.

III.

1. What is Corneille's position in French dramatic literature? Mention his principal tragedies with the leading idea of each.
2. Give a brief sketch of the growth of the drama in France up to the time of Corneille.
3. Brief notes on La Fontaine, Boileau, Hôtel Rambouillet, Mme de Sévigné, Saint Simon.

Junior German.

FIRST PAPER.

I.

Translate into German :

(a) The month of May is in France the most beautiful of the whole year. It was during this month that I visited the city of Paris, the capital of France. Give some bread and clothes to that poor beggar for he is hungry and cold. It rained all day yesterday when I was in the country, so that I had to remain indoors the whole time. Will you be so kind as to tell me when the first train leaves? The first train leaves precisely at a quarter to ten in the forenoon. By whom was the little boy struck when he cried so loud? His brother, who is two years older and should know better, struck him. How long have you been in this country? I have been here two years and a half. Where are you going to spend the holidays? I am going to spend them at my uncle's. The thought of God and the fear of death should accompany us through life. Schiller died at the age of forty-six years, after having made himself immortal. He said that he had not been able to do the task assigned him. Tell me how I pronounce this word in German. You pronounce it very well indeed. Are you fond of translating German? Yes, but I prefer translating French. Have you ever learned anything by heart? Yes, I know by heart a few verses of Uhland, Heine and Schiller. It is an excellent means for learning the language; is it not?

(b) 'Unhappy creature that I am!' said a miser to one of his neighbours. 'Some one has taken away the treasure that I had buried in my garden, and put a stone in place of it.' His neighbour replied, 'You

would not have used your treasure; imagine, then, that the stone is your treasure, and you will be none the poorer.'

'Although I may be none the poorer,' rejoined the miser, 'is not another so much the richer? Another so much the richer! I could go mad about it.'

II.

Translate at sight :

(a) In einer ansehnlichen norddeutschen Stadt lebte ein sehr einsamer Mensch. Er hatte weder Feinde noch Freunde, und mit seinem eigenen Ich stand er nicht auf dem besten Fuss, obwohl er sich im Grunde nichts Anderes vorzuwerfen hatte, als dass er sich selbst nicht sonderlich lebenswürdig fand. Dies hielt ihn auch ab, sich Solchen, die ihm wohlwollten, freundschaftlich zu nähern, da er überzeugt war, er habe Niemand etwas zu bieten, was der Mühe werth wäre. Dass hinwiederrum Niemand ihm übelwollte, rechnete er sich nicht zum Verdienst. Es wäre ihm gegen das Gemüth gegangen, irgend einer Menschenseele mit Wissen etwas zu Leide zu thun, und da er Sorge trug, sein eigenes Licht ja nicht zu hell leuchten zu lassen und nirgendwo ein Nebenlichtchen zu überglänzen, hielt man ihn für einen völlig harmlosen, brauchbaren, nur leider etwas misstrauischen und menschenscheuen Gesellen.

Paul Heyse, *David und Jonathan*.

(b) Ein alter Mensch stand in der Neujahrsnacht am Fenster und schaute mit dem Blicke einer langen Verzweiflung auf zum unbeweglichen, ewig blühenden Himmel und herab auf die stille, reine, weisse Erde, worauf jetzt niemand so freuden- und schlaflos war als er. Denn sein Grab stand nahe bei ihm; es war bloss vom Schnee des Alters, nicht vom Grün der Jugend verdeckt, und er brachte aus dem ganzen, reichen Leben

nichts mit als Irrtümer, Sünden und Krankheiten, einen verheerten Körper, eine verödete Seele, die Brust voll Gift und ein Alter voll Reue.

Seine schönen Jugendtage wandten sich heute als Gespenster um, und zogen ihn wieder vor den holden Morgen hin, wo ihn sein Vater zuerst auf den Scheide-
weg des Lebens gestellt hatte, der rechts auf der Sonnenbahn der Tugend in ein weites, ruhiges Land voll Licht und Ernten und voll Engel bringt, und welcher links in die Maulwurfsgänge des Lasters hinabzieht, in eine schwarze Höhle voll heruntertropfenden Giftes, voll zischender Schlangen und finsterer, schwüler Dämpfe.

J. P. Richter, *Die Neujahtsnacht eines Unglücklichen.*

Junior German.

SECOND PAPER.

I.

Translate:

(a) Freilich musste der Gast anstatt des Miethzinses die Erfüllung einer sonderbaren Bedingung versprechen. Denn der Hofschulze liess auch der Schönheit nicht gern Etwas ganz unentgeltlich zufließen.

(b) Was die Procedur betrifft, welcher Sie heute beiwohnten, so ist es unumgänglich nothwendig, dass ich mich ihr in Person unterziehe; mein ganzes Verhältniss zu den Leuten wäre gebrochen, wenn ich zu ekel wäre, die alte Sitte mitzumachen.

(c) Das liebe Kind streift im Lande umher, ihrem alten Pflegevater Geld zu verschaffen; sie war auch bei mir vor einigen Tagen, wollte sich aber nicht verweilen. Das Mädchen ist das liebenswürdigste Aschenbrödel und ich wünsche ihr nur den Prinzen, der sich in ihren kleinen Schuh verliebt.

(d) Gross, dass man drei Hochzeiter höherer Stände damit hätte ausstatten können, gerieth dieser Strauss, denn bei den Bauern muss Alles in das Gewicht fallen.

(e) Aus seinen Träumen endlich erwacht, kam der Jäger die Treppe hinunter. Auch er wollte die Kirche verlassen, wusste aber freilich nicht, wohin dann? Sein Herz bebte, als er Lisbeth sah; sie schlug die Augen auf und blieb schüchtern und fromm stehen.

Immerman, *Der Oberhof*.

1. Explain the connection of each extract with the plot of the story.

2. Give principal parts of all irregular verbs in the extracts.

3. Give with def. art. nom. sing. and plur. of all nouns.

4. *Versprechen* (a). Name the inseparable particles and give the force of each.

5. Parse *betrifft, welcher, ihr, wäre* (b).

6. *Unterziehe* (b). Write sentences to show the two uses of all such verbs.

7. *Aschenbrödel* (c). Write the story in German.

8. Point out any peculiarities in (d). Translate: I have been able to do it. I could have been able to do it. He said that I might have done it.

II.

Translate :

(a) Weg
Aus meinen Augen! Komm mit Schmach
bedeckt
Aus meinen Schlachten, meine Arme sollen
Geöffnet sein, dich zu empfangen—So
Verwerf' ich dich.—Die feige Schuld allein
Wird sich in solchen Quellen schimpflich
waschen.
Wer zu bereuen nicht erröthet, wird
Sich Reue nie ersparen.

(b) Du hast
Mein Wort. Nun überlass mir alles andre.
Ein wilder, kühner, glücklicher Gedanke
Steigt auf in meiner Phantasie.—Du sollst
Ihn hören, Carl, aus einem schönern Munde.
Ich dränge mich zur Königin. Vielleicht,
Dass morgen schon der Ausgang sich erwiesen.
Bis dahin, Carl, vergiss nicht, dass "ein An-
schlag,
Den höhere Vernunft gebär, das Leiden

Der Menschheit drängt, zehntausendmal vereitelt,
Nie aufgegeben werden darf."—Hörst du?
Erinnre dich an Flandern!

Schiller, *Don Carlos*.

(1) Explain the connection of these passages with the plot of the play.

2. Rewrite them in prose.

3. Parse *Ueberlass*, *erwiesen*, *Anschlag*, *den*, *gebar*, *drängt*, *vereitelt* (*b*).

4. Sketch the character of the Marquis Posa.

5. What is the denouement of this drama?

III.

1. Mention briefly the principal events in Schiller's life. Classify his works. What stage in his development does *Don Carlos* mark?

2. Give some account of the most important personages that formed with Schiller the Weimar literary circle.

Philosophy.

SIXTH PAPER.

1. Explain and examine Mill's view of Definition.
2. "Mathematical truth is not necessary." Examine this view of Mill. Is the distinction of necessary and contingent truth ultimate?
3. Is Mill's view of Inference consistent with his account of Induction?
4. Give your own view of the nature and proof of Causality.
5. Are there valid grounds for a teleological interpretation of the world?
6. Give in outline a Psychology of Knowledge, dealing with Sensation, Perception, Memory, Imagination and Thought.

Chemical Physics.

I.

1. "The relative weight of the atom cannot be directly determined." Discuss this statement, and give an outline of the methods by which the relative weights of the atoms can be indirectly determined.

2. (a) State Gay Lussac's discovery with regard to the relation between the densities of gases and their combining weights. (b) What can be deduced from this regarding the relation between volumes and numbers of molecules?

3. Discuss the validity of Avogadro's hypothesis, and show the bearing on it of the known relations between the volume, temperature, and pressure of gases.

4. In connection with the kinetic theory of gases deduce the equation, $p = \frac{1}{3}n \cdot Mu^2$; and from this calculate the mean velocity of the molecules of a gas of density d , at temperature t , and pressure of 1 atmosphere.

5. Derive the equation, $M = 28.87d$, for the molecular weight M of a gas of density d , and discuss the accuracy of the experimental data.

II.

1. State carefully the reasons for regarding 35.37 as the atomic wt. of chlorine.

2. Describe, and explain as far as you can, the abnormalities in the vapour density of *acetic acid*, of *phosphorus pentachloride*, and of *cinnabar*.

3. (a) What circumstances influence the specific heat of a solid? (b) What is the bearing of this on Dulong and Petit's Law?

4. What are Raoult's and van t'Hoff's methods of determining molecular weights?

5. (a) What is *specific volume*? (b) How are specific volumes related to atomic weights?

6. Discuss the *seventh family* in the classification of the elements according to the Periodic Law.

7. Discuss the positions, in Mendeleef's table, of osmium, gold, tellurium, and iodine.

8. Give an account of Crookes' researches on the phosphorescent spectra of rare earths, and indicate the bearing of some of his results on the Periodic Law of the elements.

III.

1. Outline the most important methods used for ascertaining the atomic linking of compounds.

2. State the results of Kopp's investigations on the molecular volumes of compounds.

3. (a) Explain the equation :

$$(H_2 : Cl_2) = 2(H, Cl) - (H, H) - (Cl, Cl) = 44000 \text{ calories ;}$$

(b) How did J. Thomsen arrive at the value $d = 39,200$ cal. for the heat of disgregation of 12 parts by weight of carbon?

4. Discuss Bunsen and Roscoe's investigations on photo-chemical action.

5. Discuss Berthollet's '*Principe du travail maximum*.'

Chemical Technology.

1. Give an outline of the principal processes for preparing acetic acid, with special regard to the chemical actions involved.

2. (a) What are the common impurities in acetic acid? (b) How can they be tested for? (c) Give an account of *two* good methods for determining the quantity of pure acetic acid in a commercial acid.

3. Describe the common commercial processes for preparing the following compounds ; Carbonate of ammonia, Sal ammoniac, Sulphate of ammonia.

4. (a) Mention the raw materials from which alum is manufactured, and state as far as you can their chemical composition. (b) Give an account of the manufacture of alum from shale.

5. Describe the chemical changes which take place in the process (a) of *malting*, (b) of *mashing*, and (c) of *fermenting*, in the manufacture of ale, &c.

6. Give a general account of the chemistry of oils (a) *fixed* and (b) *volatile*.

7. Describe the bleaching of cotton, with special regard to chemical actions involved.

8. What is a *mordant*? What theories have been advanced to account for the action of mordants?

Chemistry.

Practical.

FIRST YEAR.

1. Analyse qualitatively the solid *A*.
 2. Ascertain by dry tests the substances present in *B*.
 3. Prepare ammonia gas and illustrate its properties by experiments.
 4. Prepare sulphur dioxide and illustrate its properties by experiments.
 5. Prepare a specimen of plastic sulphur.
-

SECOND YEAR.

1. Estimate the quantity per cent. of calcium phosphate, $\text{Ca}_3(\text{PO}_4)_2$, in the mineral *C*.
2. Estimate in the solid *D* (*a*) lime, CaO , and (*b*) carbon dioxide.
3. Determine the number of grams of ammonia, NH_3 , in a litre of the liquid *E*.
4. Determine the quantity of chlorine in the water *F*, and state your result in *grains per gallon*.

Chemistry—First Year.

(MEDICAL).

1. Give *three* instances of chemical change taking place in the living human body, stating clearly the composition of the substances in each case.

2. Explain the Law of Definite Proportions, and show its application in the case of blue vitriol, and of saltpetre.

3. (a) Give the general composition and characteristics of proteids. (b) Trace as far as you can the sources from which plants obtain the elements present in proteids.

4. (a) What substances are formed by the action of sodic hydroxide on ammoniac chloride? (b) Write the equation.

5. What weight of pure manganese dioxide must be used to prepare sufficient chlorine to convert 10 lbs. of potassic hydroxide into chlorate and chloride?

($Mn = 55$, $Cl = 35.4$).

6. Write the formulas for the following compounds:—*sodic di-hydric arsenate*, *cupric hydric arsenite*, *ammoniac sulphantimonite*, *calcic nitrate*, and *strontic sulphate*.

7. (a) How can zinc acetate be prepared from zinc carbonate? (b) Write the equation.

8. What class of metallic compounds does the *ending* denote? Give instances.

9. Give an account of the chemical changes which take place in the preparation of common alcohol from cane sugar. Give equations.

10. (a) How is chloral prepared? (b) Write its formula. (c) What substances are formed by its action on sodic hydroxide?

Chemistry—Second Year.

(MEDICAL).

1. Prepare solid *ammonium nitrate*. Explain your process.

2. Prepare some *ferric hydroxide*. Explain the process used by you.

3. Prepare *bismuthyl carbonate*, using the solution of bismuth trinitrate in the bottle marked *A*. Explain the process.

4. Of the three bottles marked *C*, *D*, and *E*, one contains *calomel*, one *arsenic trioxide*, and one *prepared chalk*. Distinguish them.

Botany—First Year.

FIRST PAPER.

Morphology.

1. Define the following terms:—Trichome, Gynoeceum, Panicle, Angiosperm, Hesperidium, Synconium, Chorisis, Cleistogamy, Proterandry, Obdiplostemony.

2. Describe at length the development of the Dicotyledonous Embryo.

3. Write notes on the different forms of the Caulome.

4. Leaves are frequently modified to serve special offices. Mention five of these modifications and describe three of them.

5. Explain the means by which fertilization is effected in any *Habenaria*.

6. Explain the Heterogonous Dimorphism and show its advantages.

7. Describe the different modes of Placentation in Syncarpous Pistils.

8. Write notes on the different forms of the Receptacle.

Botany—First Year.

SECOND PAPER.

Histology and Physiology.

1. Write notes on the Plant-cell under the heads of
 1. Protoplasm,
 2. Cell-wall,
 3. Modes of formation of new cells.
2. Describe the following tissues :—
 1. Parenchyma,
 2. Fibrous tissue,
 3. Sieve tissue,
 4. Tracheary tissue.
3. Describe fully the internal structure of a leaf.
4. Write notes on the processes of Assimilation and Metastasis.

Botany—First Year.

THIRD PAPER.

Practical Botany.

1. Make a list of the plants in the bundle before you, giving the botanical name and order of each.

2. Give the general characters of the following orders :—

1. Ranunculaceae,
2. Cruciferae,
3. Compositae,
4. Ericaceae.

3. Describe fully one species of each of these families giving (1) the generic, (2) the specific characters.

4. Classify the fruits of the following plants :—

Ranunculus,
Actaea,
Rosa,
Fragaria,
Aster,
Vaccinium,
Vicia,
Acer,
Prunus.

Botany—Second Year.

FIRST PAPER.

Vegetable Physiology.

1. Write notes on the crystals found in plants.
2. Describe the development of (1) Stamens, (2) Ovules.
3. Explain Nageli's view of the structure of organized bodies.
4. Write notes on the absorption of liquids through roots.
5. Through what parts of woody plants is water transferred, and how can the path and rate of transfer be determined?
6. Describe the mechanism of stomata and explain their relations to external influences.
7. Discuss the sources whence plants obtain Nitrogen, and its uses to the plant.
8. Write notes on Chlorophyll, discussing (1) its origin, (2) the structure of its granules, &c.
9. Discuss the relations of CO_2 to assimilation.

Botany—Second Year.

SECOND PAPER.

Cryptogamic Botany.

1. Write notes on (1) the Desmidiaceae and (2) Diatomaceae, giving the general characters of each, their modes of reproduction, and the differences between them.

2. Describe the Mucorini and their different modes of reproduction.

3. What reasons are given for classing the Lichens under the Ascomycetes?

4. Describe the reproductive organs of Bryophyta, and their mode of reproduction.

5. Give a list of such Mosses as you know belonging to the following genera, and describe any three species from memory.

1. Sphagnum,

2. Bryum,

3. Fontinalis,

4. Polytrichum,

5. Hypnum,

6. Dicranum.

6. Describe the sexual and asexual generations in Pteridophyta.

7. Give a tabular classification of the Vascular Cryptogams.

Botany—Second Year.

THIRD PAPER.

Geographical and Economic Botany.

1. Divide America into Botanical provinces, giving the boundaries of each and a list of characteristic plants.

5. What orders of plants are characteristic of

- (1) The Mediterranean region,
- (2) Australia,
- (3) The Arctic regions?

3. In what countries or regions are the following genera most abundant :—

(1) *Erica*, (2) *Aster*, (3) *Astragalus*, (4) *Acacia*, (5) *Cactus*, (6) *Eucalyptus*, (7) *Sequoia*.

4. Give a list of plants cultivated in Canada for

- (1) their fruits or seeds,
- (2) their roots,
- (3) ornamental purposes.

5. Give a list of native plants valuable for (1) their wood, (2) their fruits.

6. Write notes on the means by which plants have been distributed over the earth.

Zoology—First Year.

FIRST PAPER.

Anatomy of Invertebrata.

1. Explain what is meant by (1) Alternation of generations, (2) Parthenogenesis, and give examples.
2. Give the divisions or classes of Coelenterata and the general characters of each.
3. Describe fully a Sertularian or Coral Polyp.
4. Describe the structure of *Asterias vulgaris*, and compare it with that of *Strongylocentrotus*.
5. Describe the Exoskeleton of a Lobster.
6. Write notes on the Morphology of the Grasshopper (*Acridium*).

Zoology—First Year.

SECOND PAPER.

Embryology of Invertebrata.

1. Trace out as fully as you can the Embryological development of

1. Aurelia flavidula,
2. Starfish (Asterias),
3. Unio.

2. At what geological period do the following Classes or Genera of Invertebrata make their first appearance?

- | | |
|------------------|------------------|
| (1) Lingula, | (2) Paradoxides, |
| (3) Corals, | (4) Insects, |
| (5) Trilobites, | (6) Orthis, |
| (7) Strophomena, | (8) Spiders, |
| (9) Land-Snails, | (10) Ammonite. |

Zoology—Second Year.

FIRST PAPER.

Comparative Anatomy.

1. Describe the Skeleton of a Cod's head, giving the name and position of each bone.
2. Describe the fore-leg of the horse, and compare it with the corresponding limb of man.
3. In cutting off a Cat's head what organs, muscles, tendons, arteries, &c., are severed?
4. Describe the bones in the skeleton of a Crow's wing, and compare them with the corresponding bones in man.
5. Write a list of Canadian birds, giving scientific name and family.

Zoology—Second Year.

SECOND PAPER.

Embryology.

Write as full an account as you can of the embryological development of the Chick, beginning with the mature, fertilized ovum.

Zoology—Second Year.

THIRD PAPER.

Geographical distribution of Animals.

1. It was long thought that the manner in which various kinds of animals are dispersed over the globe is almost wholly due to the diversities of climate and of vegetation.

(1) What circumstances favor this opinion, (2) how is it shown to be erroneous?

2. Fossil remains of Elephants are found in Sicily and Malta. How is their presence accounted for?

3. On what principles does Wallace form his Zoological regions? Give the boundaries of these.

4. The living marine Shells, Corals and Fishes of the opposite coasts of the Isthmus of Panama are generally distinct, but a few are identical. How is this accounted for?

5. Give a list of genera of Mammalia peculiar to (1) the Palaearctic region, (2) the Nearctic region, (3) the Neotropical region.

Geology—First Year.

FIRST PAPER.

Physical Geography.

1. What are the intellectual or scientific advantages of the study of Physical Geography?
2. Point out the resemblances in position, form and arrangement of the land areas on the opposite sides of the Atlantic Ocean.
3. Mention the leading currents of the Atlantic Ocean and give a full account of the course and character of the Gulf Stream.
4. How do the following originate:—(1) Dew, (2) Fog, (3) Snow, (4) Hoar frost, (5) Icebergs.
5. Show how the following affect the climate of a country: (1) the direction of the mountain chains; (2) the proximity of the sea; (3) the direction of river valleys.
6. How may man's operations influence climate?

Geology—First Year.

SECOND PAPER.

Principles of Geology.

1. Write notes on the geological work performed by volcanoes, and compare their activity in former geologic ages with that exhibited at present.
2. Give an account of the geological effects of the different kinds of springs.
3. Give an outline of Lamarck's theory of the Transmutation of Species, and show how it differs from Darwin's theory of Natural Selection.
4. Explain how oceanic islands of volcanic origin, as the Azores and Madeiras, may have become peopled with different classes of animals.
5. State as fully as you can the geological evidence for the recent origin of man.

Geology—First Year.

THIRD PAPER.

Dynamical and Historical Geology.

1. Discuss the geological agency of Life under the following heads:—

- (1) Conservative or Protective effects,
- (2) Destructive effects,
- (3) Reproductive effects.

2. Mention four ways in which Fragmental deposits may be consolidated, and give examples of each.

3. Explain the different ways in which valleys may be formed.

4. Give in tabular form the sub-divisions of the Palaeozoic rocks.

5. Describe the Trenton period, giving

- (1) Its three divisions,
- (2) Kinds of rocks and their distribution in N. America,
- (3) Economic products, if any.
- (4) List of Fossils.

6. In what divisions of the geological formations do the following occur as *type-fossils*:—

- (1) Lepidodendra and Sigillaria,
- (2) Cycads,
- (3) Graptolites,
- (4) Trilobites,
- (5) Ammonites,
- (6) Toothed birds.

Geology—Second Year.

FIRST PAPER.

Canadian Geology.

1. If you leave Halifax by the I. C. R. and travel to Quebec, then take the C. P. R. by Ottawa and Sunbury to Winnipeg, over what geological formations will you pass? Give the points at which you cross the different formations.

2. On what formations do the following cities or towns stand:—St. John, N.B., Fredericton, Montreal, Ottawa, Kingston, Toronto, Cornwall, Renfrew, Port Arthur, Winnipeg?

3. Write notes on the Coal fields of Canada.

4. In what formations and localities are the following metals mined:—(1) Gold, (2) Silver, (3) Copper, (4) Iron.

Geology—Second Year.

SECOND PAPER.

Climate and Time.

1. Explain how Croll estimates the amount of heat conveyed by the Gulf Stream.
2. Are the seas around Spitzbergen and N. Greenland heated by the Gulf Stream? Give reasons for your answer.
3. Explain how the eccentricity of the earth's orbit may affect climate.
4. The mean temperature of the whole earth should be greater in Aphelion than in Perihelion. Why?
5. State as clearly as you can Dr. Carpenter's theory of Ocean circulation, and give the leading points of Croll's refutation.

Geology—Second Year.

THIRD PAPER.

Palaeontology.

1. Write notes on (1) the meaning of the term “ Fossil ” as used by Geologists, (2) the different ways and places in which fossils may be preserved, (3) the value of fossils as chronological data in Geology.

2. The Laramie beds contain both Cretaceous and Tertiary fossils. Upon what principle does Nicholson settle their position ?

4. Explain the difference between homotaxeous and contemporaneous strata and give examples of such strata.

5. Discuss the imperfection of the Palaeontological record and the causes to which the imperfection is due.

6. Write notes on the Trilobites, discussing (1) their Zoological position and classification, (2) their distribution in time.

7. Give lists of fossils which characterize the following formations :—

- | | |
|-------------------|-------------------|
| 1. Trenton, | 4. Cretaceous, |
| 2. Utica, | 5. Miocene, |
| 3. Carboniferous, | 6. Post-Tertiary. |

English.

HONOURS.

1. Not for these I raise
The song of thanks and praise ;
But for those obstinate questionings
Of sense and outward things,
Fallings from us, vanishings ;
Blank misgivings of a creature
Moving about in worlds not realised,
High instincts before which our mortal nature
Did tremble like a guilty thing surprised :
But for those first affections,
Those shadowy recollections,
Which, be they what they may,
Are yet the fountain light of all our day,
Are yet a master light of all our seeing :

(a) Paraphrase so as to bring out clearly the poet's meaning.

(b) State and criticise the line of thought in this ode.

(c) Give a metrical analysis of the lines quoted and comment on the manner in which the rhythm is varied to suit the thought and feeling.

2. Explain and criticise Wordsworth's theory of poetic diction. Is it a clear or sufficient view of the change which was taking place in style ?

3. For not to think of what I needs must feel,
But to be still and patient all I can ;
And haply by abstruse research to steal
From my own nature all the natural man—
This was my sole resource, my only plan
Till that which suits a part infects the whole,
And now is almost grown the habit of my soul.

(a) Explain the psychological condition which Coleridge here describes and illustrate it by reference to the facts of his career.

(b) Quote as much as you can of the stanza which follows (7th) and explain how and why its rhythmical qualities differ from those of the preceding stanza.

4. Give an account of Wordsworth's development as recorded by himself in the Prelude, noticing particularly where his characteristic powers and limitations are indicated.

5. (1) And she had made a pipe of straw,
And music from that pipe could draw
Like sounds of winds and floods;
Had built a bower upon the green,
As if she from her birth had been
An infant of the woods.

(2) Yes, men may come and go; and these are
gone,
All gone. My dearest brother, Edmund sleeps,
Not by the well-known stream and rustic spire,
But unfamiliar Arno, and the dome
Of Brunelleschi; sleeps in peace: and he,
Poor Philip, of all his lavish waste of words
Remains the lean P.W. on his tomb:
I scraped the lichen from it: Katie walks
By the long wash of Australasian seas
Far off, and holds her head to other stars,
And breathes in converse seasons. All are
gone.

(3) Upon the forest-side in Gramere Vale
There dwelt a shepherd, Michael was his name:
An old man, stout of heart, and strong of limb,
His bodily frame had been from youth to age
Of an unusual strength: his mind was keen,
Intense and frugal, apt for all affairs,

And in his shepherd's calling he was prompt
And watchful more than ordinary men.
Hence had he learned the meaning of all winds,
Of blasts of every tone ; and often times
When others heeded not, he heard the South
Make subterranean music, like the noise
Of bagpipes on distant Highland hills.

(a) Characterize the literary merits of each of the above passages.

(b) Give a metrical analysis of (2) and (3) and compare their rhythmical qualities.

6. "Shelley's conception of the actual world seems to us boyish and visionary . . . He has no clear utterance on the main spiritual problems which occupy mankind."

"I would rather consider Shelley's poetry as a sublime fragmentary essay towards a presentment of the correspondency of the universe to Deity, of the natural to the spiritual and of the actual to the ideal, than I would isolate and separately appraise the worth of any detachable portions which might be acknowledged as utterly perfect in a lower moral point of view. — (Browning).

Explain and discuss criticisms giving illustrations from Shelley's poems.

7. Compare Wordsworth and Shelley as interpreters of nature.

8. What is Arnold's criticism on Chapman's translation of Homer ? Give illustrations of your own.

English.

HONOURS.

1. Abbot Samson, at this culminating point of his existence, may, and indeed must, be left to vanish with his *Life-Scenery* from the eyes of modern men. He had to run to France, to settle with King Richard for the military service there of the *St. Edmundsburg Knights*; and with great labour got it done. He had to decide on the *dilapidated Coventry Monks*; and with great labour, and much pleading and journeying, got them reinstated; dined with them all, and with the 'Masters of the Schools of Oxneford',—the veritable *Oxford Caput* sitting there at dinner, in a dim but undeniable manner, in the *city of Peeping Tom*! He had, not without labour, to controvert the intrusive Bishop of Ely, the intrusive Abbot of Cluny. Magnanimous Samson, his life is but a labour and a journey; a bustling and a justling, till the still night come. He is sent for again, over sea, to advise King Richard touching certain Peers of England who had taken the Cross, but never followed it to Palestine; whom the Pope is enquiring after. The magnanimous Abbot makes preparation for departure; departs, and —. And *Jocelin's Boswellian Narrative* suddenly shorn-through by the scissors of Destiny, ends. There are no words more; but a black line and leaves of blank paper. Irremediable: the miraculous hand, that held all this *theatric-machinery*, suddenly quits hold; impenetrable Time-Curtains rush down; in the mind's eye all is again dark, void; with loud dinning in the mind's ear our *real-phantasmagory* of St. Edmundsburg plunges into the bosom of the Twelfth Century again, and all is over. Monks, Abbot, Hero-Worship, Government, Obedience, Cour-de-Lion and St. Edmund's Shrine vanish like

Mirza's Vision ; and there is nothing left but a mutilated black Ruin amid green botanic expanses, and oxen, sheep and *dilletanti* pasturing in their places.

(a) Discuss the above passage under the following heads : (1) Structure of sentences, (2) Phraseology and vocabulary, (3) Qualities of the Thought.

(b) Write explanatory notes on the words and phrases italicized.

(c) Show how it illustrates some of Carlyle's characteristics as a historian.

2. Summarize Carlyle's views in Book III, chap. 10 (Plugson of Undershot) and state what you think is the political tendency of the opinions there expressed.

3. Explain fully, with reference to the context, the meaning of the following passages from *Andrea del Sarto* :—

(a) So free we seem, so fettered fast we are!
I feel he laid the fetter; let it lie!

(b) Well, less is more, Lucrezia. I am judged.
There burns a truer light of God in them,
In their vexed, beating, stuffed and stopped-up
brain,
Heart or whate'er else, than goes on to prompt
This low-pulsed forthright craftsman's hand of
mine.

4. State the problem discussed in this poem (Andrea del Sarto). Give an estimate of Andrea's character. Compare it with Fra Lippo's.

5. What? dost thou verily trip upon a word,
Confound the accurate view of what joy is
(Caught somewhat clearer by my eyes than thine)
With feeling joy? confound the knowing how
And showing how to live (my faculty)
With actually living?

State Cleon's argument at this point. Do you understand it as expressing Browning's own statement of the problem, or only as reflecting the limited moral consciousness of an ancient Greek? In either case, what is the value of the inference Cleon goes on to draw?

6. He ventured neck or nothing—heaven's success
Found, or earth's failure:

"Wilt thou trust death or not?" He answered
"Yes

"Hence with life's pale lure!"

That low man seeks a little thing to do,
Sees it and does it:

This high man, with a great thing to pursue,
Dies ere he knows it.

That low man goes on adding one to one
His hundred's soon hit:

This high man, aiming at a million
Misses an unit.

That, has the world here—should he need the next,
Let the world mind him.

This, throws himself on God, and unperplexed
Seeking shall find him.

- (a) Make explanatory notes on each of these lines.

(b) Give a metrical analysis of the passage and indicate the connection between the rhythm and the feeling in this poem.

7. Compare the view of life given in the *Grammarian's Funeral* with that in *Youth and Art* or *Dis aliter visum*. Can they be reconciled?

8. Explain the difference between the lyrical and the dramatic standard, in rhythm and diction. Can Browning be said habitually to sacrifice the first to the second of these standards?

9. What is meant by Browning's sympathy with

“imperfect lives?” Give examples from his works and compare him in this respect with Carlyle or Wordsworth.

10. “Browning is essentially dramatic.”

(a) Show that this applies to diction and rhythm as well as to matter.

(b) What are the new developments of dramatic form introduced by Browning?

(c) Show by comparison with Shakespeare the strength and the limitations of Browning's dramatic power.

History.

FIRST PAPER.

1. What is the true principle of representative government? Where are we to look for this principle?

2. Taking the three forms of government—monarchy, aristocracy and democracy—show that tyranny almost necessarily arises in each case.

3. What is the error of Rousseau's Social Contract? Explain fully.

4. What are the forms essential to representative government?

5. Refute the error that liberty means the right to be governed by one's own individual will.

History.

SECOND PAPER.

1. Account for the fact that while the Franks and the Anglo-Saxons were alike of Teutonic descent, yet the development of the Franks has been essentially Romanic, and the English has continued Teutonic in ever particular.

2. Describe the Anglo-Saxon Witenagemote—its composition, its powers in legislation, in judicature, in taxation and general policy, also in the election of kings and magistrates.

3. Explain the change in the constitution from personal to territorial system.

4. Stubbs says “ The effect of the Norman conquest on the character and constitution of the English was threefold.” Explain this.

5. Describe the changes introduced by Henry II. in legislation, in judicature, in taxation, in military organization and the relations between church and state.

6. What was the form of the national council under the Norman kings? What was the business, legislative, judicial, &c., of the council or of the courts connected with it.

History.

THIRD PAPER.

1. "The parliamentary constitution of England comprises not only a concentration of local machinery, but an assembly of estates." Explain this.

2. Define the rights of each of the three estates in the 14th century—in legislature, in judicial power, in taxation, and in deliberation.

3. What were the qualifications for summons as a baron for military service, and also for parliament?

4. What circumstances separated the lesser barons from the greater barons and united them as knights of the shire with the representatives of the boroughs.

5. Trace the development of representation down to the reign of Edward I.

6. What is Distraint of Knighthood? Mention instances of its enforcement and the causes.

7. Trace the origin of Customs in England and their history in the 14th century.

History.

FOURTH PAPER.

1. Give a short historical sketch of the powers of the Anglican Church in the 13th to 15th centuries in regard to the election of bishops and to investiture.

2. What were the statutes of Praemunire and of Provisors?

3. Trace the form of money grants from the reign of Henry II. till Elizabeth.

4. What were the causes of the high prerogatives of the Tudors? What means did they take to strengthen their prerogatives in the commons?

5. Trace the development of Cabinet Government with responsibility of Ministers.

6. "The House of Lords is no longer a council of the magnates of the land, but in each age it has assumed a more popular and representative character." Explain this fully.

French.

FIRST PAPER.

I.

Translate into French :

(a) You work out your own debt.—He sets up for an honest man.—She plays on the fiddle.—I look out of the window.—Why do you sit so near the side of the boat ? But for little you would have made it capsize.—I wish you neither to read nor to write.—Such is the policy that he has resolved to follow.—I attribute his illness to his studying too much.—I hear the candidates talking in examination-hall.—Birds of a feather flock together.—God tempers the wind to the shorn lamb.—I am not surprised at his being in your uncle's box. I should be there, too, had I not settled to come with you. I am sorry I deprived you of the pleasure of going with those ladies.

(b) La Rochelle, nearly all of whose inhabitants professed the reformed religion, was then the capital, as it were, of the southern provinces, and the strongest bulwark of the Protestant party. An extensive commerce with Spain and England had introduced considerable wealth, and that spirit of independence which wealth inspires and fosters. The citizens, either fishermen or sailors, and frequently corsairs, early familiarised with the dangers of an adventurous life, possessed an energy which stood them in stead of discipline and practice in war. Accordingly, on receiving the news of the massacre of the 24th of August, far from abandoning themselves to that stupid resignation which had seized upon most of the Protestants, and made them despair of their cause, the Rochelois were animated by that active and formidable courage which despair often inspires. With one accord they resolved to suffer the last extremities rather than open their gates to an enemy who had just given them so striking a proof of his faithlessness and barbarity. Whilst the ministers kept up this zeal by their fanatical discourses, the women, children, and old men vied with one another in labouring to repair the old fortifications, and to erect new ones. Provisions and arms were collected, barques and ships were fitted out ; in short, not a moment was lost in organizing and preparing all the means of defence of which the town was capable. A number of gentlemen who had escaped from the massacre joined the Rochelois, and by the description which they gave of the crimes of St. Bartholomew's Day, imparted courage even to the most timid. To men saved from apparently certain death, war and its chances were what a slight breeze is to sailors who have just escaped from a tempest.

Prosper Mérimée, *Règne de Charles IX.*

II.

Theme for French composition : *Le rôle du Renard dans les Fables de La Fontaine.*

III.

Translate at sight :

La toiture, effondrée en de nombreux endroits, était recouverte, ici de tuiles ébréchées, rongées par la mousse ou par la vétusté ; là de chaume à demi pourri par l'humidité, plus loin de touffes de genêts desséchés, amoncelés sur une charpente boiteuse.

Ces bâtiments, formant la grange, la bergerie, l'écurie, l'étable et le logement du métayer, entouraient une cour aux trois quarts remplie d'une masse de fumier infect, baignant dans une mare assez creuse, aux eaux noires, fétides et stagnantes, entretenue par le *suin* et par les filtrations du sol marécageux. Cet amas de liquide nauséabond, couvert d'une couche de viscosité bleuâtre envahissait tellement la cour du côté de l'habitation du fermier, que celui-ci s'était vu forcé de construire une sorte de digue en pierraille, recouverte de fagots d'ajoncs épineux, où aboutissaient trois ou quatre marches moussues, disjointes, qui conduisaient à la seule chambre dont se composait son logis.

Au levant de cette métairie, enfouie dans un bas-fond si malsain, s'étendait une immense plaine de landes tourbeuses ; au nord, s'élevait un massif de grands chênes ; tandis qu'au couchant, une étroite chaussée de gazon séparait seulement ces bâtiments d'un vaste marais, l'hiver et l'automne toujours couvert d'un épais brouillard ; et qui, l'été, lorsque aux ardeurs du soleil fermentait son limon, remplissait l'atmosphère de miasmes pestilentiels.

Eugène Sue, *L'Enfant trouvé.*

French.

SECOND PAPER.

I.

(a) La Vie de Saint Alexis, from *oz mei* to *damne deu*.

1. Translate into Modern French.

2. Translate the first two stanzas into Latin.

3. *Espos, longes*. Explain these forms.

(b) La Chanson de Roland, 2024–2034.

1. Translate (1) into Latin, (2) into Modern French.

2. *Estet*. Derive this verb.

3. *Iès*. What is the 1st pers. in Old French? Account for the modern form of it. Give similar cases.

4. *Sire cumpaign*. Parse. Give the other cases of both words.

5. Write in French a *résumé* of the *Chanson de Roland*. How much of it is founded on history?

II.

1. What foreign elements entered into the composition of the French language? How?

2. Give the Old French declensions. What traces of them are there in Modern French? When and by what process did Old French pass into Modern French?

3. Account for plurals in *aux*, and for such double forms as *travaux, travails*, etc.

4. Explain the future form in French. How is it formed in the other Romance languages?

5. Derive the personal endings of the pres. ind. of the four French conjugations.

6. What did the Latin vowel *a* become in French? Give examples.

7. Distinguish between the principal dialects of the *Langue d'oïl*. Give their geographical position. Name the principal works written in each.

III.

1. Give some account of the oldest monuments of the French language.

2. What are the *Chansons de geste*? How are they divided? Give principal authors in each group with works and dates. How did this literature influence that of other countries?

3. Give some account of the *Roman de la Rose*. What stage in early French literature does it mark?

4. Give, in chronological order, the principal French historians up to the 15th century, naming and characterizing their works.

5. Give some account of the *Pléiade*.

French.

THIRD PAPER.

1. Compare *Hernani* to the *Cid*.

2. Describe the most striking of Victor Hugo's characters known to you. Is the epithet "heroic" applicable to such and how far? Discuss the propriety of exaggeration in literary art.

3. Give the peculiarities of the literature of the Romantic School, and show the connection of the movement with the political history of the country.

4. Give some account of the immediate precursors of this school. Mention any writers of the 18th century that show Romantic tendencies, and state in what respect.

5. Give in French a *résumé* of *Le Tartufe*. To what discussion did its appearance give rise? Give your view of the question.

6. Sketch in French the plot of *Les Fourberies de Scapin*. Give the sources whence Molière derived his material. To what kind of comedy does this play belong? What other plays of Molière would you place in the same category? Explain.

7. Translate: Cinna, IV., 2, from *Mais que mon jugement to proscrivons les complices*.

(a) Give the connection of the passage with the plot of the play.

(b) Write a note on the versification.

(c) Derive *dont*, *bonheur*, *donc*, *jusque*, *craindre*.

8. Give a brief account of Pascal. Name with their works the principal moralists of the 17th century.

9. Translate: Vinet, pp. 243-244, from *M. Reuchlin to le dernier de Pascal*.

German.

FIRST PAPER.

I.

Translate into German :

(a) Be that as it may.—Take care.—Send him word about it.—He could not keep from laughing.—By this time twelve months others will be in our places.—There is some mystery about that.—Never mind it.—They have taken themselves off—Charity begins at home.—Well begun is half done.—Lightly come, lightly go.—The Jews abstained from pork according to the law of Moses.—They told amongst other things that the ship had been taken by the enemy.—He has made up his mind not to travel this year.—The safety of the state depends on the life of this man.—The king has received the emperor's ambassador with a discourtesy hardly to be expected.

(b) Romans, countrymen, and lovers ! hear me for my cause, and be silent that you may hear; believe me for mine honour, and have respect to mine honour, that you may believe: censure me in your wisdom; and awake your senses, that you may the better judge. If there be any in this assembly, any dear friend of Cæsar's, to him I say, that Brutus' love to Cæsar was no less than his. If then that friend demand, why Brutus rose against Cæsar, this is my answer:—Not that I loved Cæsar less, but that I loved Rome more. Had you rather Cæsar were living, and die all slaves, than that Cæsar were dead, to live all free men ? As Cæsar loved me, I weep for him ; as he was fortunate, I rejoice at it ; as he was valiant, I honour him ; but, as he was ambitious, I slew him. There are tears for his love ; joy for his fortune ; honour for his valour ; and death for his ambition. Who is here so base, that would be a bondman ? If any, speak ; for him I have offended. Who is here so vile, that will not love his country ? If any, speak ; for him have I offended. I pause for a reply.

II.

Theme for German composition : Goethe's *Faust*.

III.

Translate at sight :

Ein dritter Schritt, und für unsere Poesie ein nicht allein eben so bedeutender, wie die beiden bisherigen, sondern ein noch folgenreicherer, den Herder auf seiner Bahn vorwärts tat, war der,

dass er in dem Buche 'von deutscher Art und Kunst' die ältesten und ursprünglichsten Volksgesänge, die Volkslieder, in ihre poetischen Rechte wieder einsetzte, in diesen so lange Zeit verachteten und verschmäheten Dichtungen die Quellen und die Grundmasse aller Dichtung nachwies, und ihnen die Priorität, der Zeit wie dem Range nach, vor den willkürlich geschaffenen Producten vindicirte. Wie wir durch Herders Besprechung des Homer zuerst begreifen lernten, was ein Epos sei, so wurde durch diese Erörterung der Lieder der alten Volker zuerst der Begriff der Volkspoesie, zunächst der Volkslyrik, gegenüber der Kunstpoesie eingeführt: Begriffe, welche nachher von der romantischen Schule und deren Jüngern, zumal von den Brüderpaaren Schlegel und Grimm aufgefasst, genauer bestimmt und fortgebildet, den unberechenbarsten Einfluss auf unser Verständnis aller Poesie und aller Geschichte der Poesie gewonnen, ja die ganze Anschauungsweise von Geschichte und Poesie von Grund aus umgestaltet haben. Es war aber nicht allein dieser, mehr der Wissenschaft angehörende reformatorische Einfluss, welchen Herder durch seine Wiederoffenbarung der alten Volkslyrik der Völker, und des deutschen Volkes insbesondere, ausübte, es war auch ein kräftiger und heilsamer, ein warhaft heilender, Einfluss auf das Leben: durch die Wiederherstellung der poetischen Rechte des Volksgesanges wurde eine Versöhnung mit dem Volksleben, so weit dieselbe möglich war, theils unmittelbar herbeigeführt, theils eingeleitet, wie dieselbe bereits von Hamann in ihrer Notwendigkeit geahnt und vorgebildet war: es wurde nunmehr wenigstens unmöglich gemacht, das 'gemeine Volk,' wie bisher, als eine rohe, dumme Masse zu verachten, unmöglich, die gelehrte Poesie, ja unmöglich, die Wissenschaft überhaupt als das ausschliesslich berechnete, als das unbedingt den Vorzug verdienende Lebens- und Culturelement ferner noch in der Weise wie bisher geltend zu machen: es wurde Achtung vor dem geistigen Leben des Volkes und vor den Rechten dieser geistigen Lebens Elemente angebahnt, und hierdurch ein starker Damm gegen die zu gleicher Zeit hereinbrechende Aufklärerei errichtet, die dem Volke wol zu tun meinte, wenn sie ihm alle eigentümlichen Züge, alle ererbten geistigen Besitztümer entzöge, und es mit den armseligen Brocken der Culturweisheit fütterte.

Vilmar, *Deutsche National-Literatur.*

German.

SECOND PAPER.

I.

Translate into Modern High German : Das Nibelungenlied, Avent. III., from *Dô sprach der starke Sîvrit to bêdiu liut unde lant*'.

1. Give the principal parts of the strong verbs.
2. Give pres. ind., sing. and plur., of *kan, mag, wil*. Explain peculiarities.
3. Decline *man, lant, hant* ; give also Old High German forms.
4. Pres. ind., sing. and plur., of *fürhte* ; conjugate also in Old High German.
5. Explain the *Nibelungenstrophe*.
6. Give an account of the discussion about the authorship of the poem.
7. What is the connection between it and the older *Edda* ?

II.

Translate : Wieland, Oberon, XI., 19, 20.

1. Give, with def. art., nom. sing. and plur. of all nouns.
2. Give principal parts of strong verbs.
3. Give the plot of the poem. On what is it founded ?
4. Give an account of Wieland and his works.

III.

1. Outline the history of the German language, giving the dates of each period, and noting its distinguishing characteristics, philological and dialectic.

2. Define and illustrate the terms *Umlaut*, *Ablaut*, *Werner's Gesetz*.

3. Show, according to Grimm's Law, the relation between High German and Greek or Latin, and between Low and High German.

4. Name the languages, with their subdivisions, belonging to the Aryan group, and give proofs of their relationship.

IV.

1. Give some account, naming the authors, of the principal epic productions of the Middle High German period.

2. Account for the decadence of poetry during the latter part of this period. Give some of its literary productions.

German.

THIRD PAPER.

I.

1. Give an account of the first literary treatment of the Faust saga in Germany, and outline the dramatic literature on the subject up to the publication of the 1st part of Goethe's Faust.

2. Give, in the order in which they finally appeared, the different scenes of the 1st part of Goethe's Faust, and mention those foreign to the main theme, giving any reasons for their insertion.

3. Sketch the author's life with special reference to the 1st part of Faust, and show how far the drama is a reflex of his own life and of the times.

4. Show whether Faust's mental state leads inevitably to the contract with Mephistopheles. Quote the verses of the contract. How is it fulfilled?

5. Is Faust an idealist or a realist? Refer to the drama, or quote from it, in support of your assertions.

6. Discuss the unity of Faust as a whole. Outline the 2nd part and explain the allegory, where you can.

II.

1. Define clearly Lessing's position in German Literature.

2. Comment on the different personages of *Nathan der Weise*. Criticise this play.

3. Can it be compared in any respect to the 1st part of Goethe's Faust?

III.

1. Define the tenets and give some account of the members of the Göttinger Dichterbund.

2. What were the principles of the Romantic school? Name with their works its leading members.

3. What position did Goethe and Schiller occupy with respect to these two schools?

IV.

1. Show the connection in which the following passages occur, and quote as much of the context as you can :

(a) Ich bin zu alt, um nur zu spielen,
Zu jung um ohne Wunsch zu sein.—

(b) Es war ein König im Thule
Gar treu bis an das Grab.—

(c) Ach neige
Du Schmerzenreiche
Dein Antlitz gnädig meiner Noth.—

(d) Erhabener Geist, du gabst mir, gabst mir alles
Warum ich bat.—

2. Translate the following expressions :

—Es wäre denn,
Dass er zum zweitenmal es retten sollte.—

—Ich soll
Mich nur nach Euch erkunden, auf den Zahn
Euch fühlen.—

Auch mir ward's vorder Wiege nicht gesungen.—
—Es klemmt sich aller Orten.—

Spiel nie Gewinnst! So wie
Gewonnen, so bezahlt.—Er sträubt sich gern.—

—Noch bin ich auf
Den Trocknen völlig nicht.—Wollt Ihr mit?
Lasst ihm mit eins den Plunder ganz im Stiche,
Um den es ihm zu thun.—

Und wenn 's euch Ernst ist was zu sagen.—
Sie lauern doch nur auf.—Es sagen's aller Orten.
Ich hatte mit dem Kind wohl meine liebe Noth.—
Aus Gütigkeit fürlieb zu nehmen.—Es geht nicht
So mit rechten Dingen.

Pass Papers,

DIVINITY.

Junior Hebrew.

1. Translate (1) Job ii. 8.
(2) Gen. xxxiii. 14.
(3) Jon. i. 11.
(4) 1 Sam. vi. 12.
(5) Ps. lviii. 2-5.
(6) " lix. 5-9.
(7) " lx. 3-6.

2. Analyze (1) יְחִי Gen. xxxiii. 1.
(2) הִבָּאת " " 11.
(3) אֲשִׁי " " 14.
(4) לְהַקֵּל Jon. i. 5.
(5) בִּשְׁלָמִי " " 7.
(6) יָקָא " ii. 11.
(7) נָע Job i. 11.
(8) וַיָּגֵז " " 20.
(9) כָּלוּ 1 Sam. vi. 10.

3. Date of the book of Job.

4. Discuss the question whether the book of Job is historical or fictitious.

5. State the argument for the historical character of the book of Jonah.

6. Where were Padan-aram, Succoth, Seir, Tarshish, Joppa, Uz, Gaza?

7. Why is אִישׁ singular Gen. xxxiii. 1?

8. (1) Why does Jacob call his gift a "blessing" Gen. xxxiii. 11? and (2) why does he urge Esau to accept it?

9. Why was Jonah unwilling to undertake the mission to Nineveh?

10. Correct the T. R. 1 Sam. vi. 18.

11. Account for the numerical error in the T. R. 1 Sam. vi. 19.

12. Why is "foxes" A.V. an incorrect translation Ps. lxiii. 11?

13. Why is the comparison to silver made Ps. lxvi. 10?

14. Mention some peculiarities in Ps. lxviii.

15. Discuss the origin of the name עֶבֶר.

16. Explain (1) Jon. ii. 1.

(2) Job ii. 4.

(3) Ps. lvii. 5 אֲשַׁכְּבָה לְהַטִּים

(4) " lviii. 10.

(5) " lx. 10.

(6) " lxi. 5 second hemistich.

(7) " lxiv. 9 first hemistich.

Hebrew—Second Year.

1. Translate (1) Dent. vi. 11.
 (2) Prov. xiv. 7, 29.
 (3) “ xv. 4.
 (4) Is. ix. 18–20.
 (5) Jer. xxiii. 9–11.
 (6) Ps. xcix. 7, 8.
 (7) “ cvii. 33–39.

2. Analyze (1) מִפְתִּים Deut. vi. 22.
 (2) נִקְלָ Prov. xiv. 6.
 (3) שְׁחֹ “ “ 19.
 (4) יִזְרֹ “ xv. 7.
 (5) הוֹכֵחַ “ “ 12.
 (6) הַפֶּר “ “ 22.
 (7) יִסְכֶּסֶךְ Is. ix. 10.
 (8) יִדְחֹ Jer. xxiii. 12.
 (9) הִנְבְּאוּ “ “ 13.

3. Jer. xxiii. 7, 8. Why are these vv. supposed to be wrongly inserted here? Defend their genuineness.

4. What is peculiar in the use of לְבִלְתִּי Jer. xxiii. 14.

5. What is the usual prophetic formula? Account for the formula used Jer. xxiii. 17.

6. When and why did revelations to the prophets cease to be made in dreams?

7. State a characteristic of Ps. xci–c.

8. What is peculiar in (1) the subject of Ps. ci.
 (2) the inscription of Ps. cii.
 (3) the termination of several words in Ps. ciii, and how is it to be explained?

9. Give the prose equivalent for חִיתוֹ שָׂרִי Ps. civ. 11.

10. Name the predicates Ps. civ. 4, and give your reasons.

11. Discuss (1) the two readings לֹא and לוֹ Ps. c. 3.

(2) אֶרֶץ Ps. ciii. 5.

12. Explain (1) יְהוָה צִדְקָנִי Jer. xxiii. 6.

(2) Jer. xxiii. 28.

(3) Is. ix. 10.

(4) Moses and Aaron among His priests.
 Ps. xcix. 6.

(5) רָחֵב לֵב in Ps. ci. 5 and in 1 Kings 5, 9.

(6) The first clause of Ps. cii. 10.

(7) The second clause of Ps. civ. 15.

(8) The first clause of Ps. cv. 19.

Hebrew—Third Year.

1. Translate
 - (1) Is. xl. 9, 24.
 - (2) Hos. v. 5.
 - (3) Ps. xlv. 1-6.
 - (4) “ lv. 20-22.
 - (5) Job xxxviii. 30.

2. Analyze
 - (1) מִלִּין Job xxxviii. 2.
 - (2) יִפֶּן “ “ 24.
 - (3) צִקָּה “ “ 38.
 - (4) שְׁחָטָה Hos. v. 2.
 - (5) חֲלִין “ “ 13.
 - (6) חֲכִי “ 6 9.
 - (7) תִּדְמִיוֹנִי Is. xl. 25.
 - (8) נִדָּף “ xli. 2.
 - (9) תִּשְׁתַּע “ “ 10.

3. Account for רַבִּים being plural Job xxxviii, 21.
4. בִּימָה Job xxxviii, 31. What constellation is meant? Why is it so called?
5. Difference between
 - (1) נִשָּׂם and מָטָר
 - (2) קִצִּיר and קִיץ
 - (3) נִשְׁמָה and רוּחַ
6. Correct מִשְׁכָּטֶיךָ אֹרַח T. R. Hos. vi. 5.
7. Show that Hos. vi. 6 is consistent with the divine obligation of sacrifices.

8. State the three parts into which the Latter Prophecies of Isaiah have been divided, and the subject of each.

9. Where were Gibeah, Ramah, Bethaven, Gilead, Ophir, Shechem, Succoth?

10. To whom do the plural pronominal suffixes Ps. xlv. 3 refer? Shew the incorrectness of the A. V. here.

11. Shew that the translation of the first clause of Ps. xlv. 7 A. V. is preferable to the other proposed translations.

12. Discuss (1) יֹרֶה Hos. vi. 3.

(2) וּמֵאֲצִילֶיהָ Is. xli. 9.

13. Explain (1) Ps. xlv. 13.

(2) בַּמָּקוֹם תִּנָּח Ps. xlv. 20.

(3) עַל־עֲלָמוֹת Ps. xlvi. 1.

(4) לְפָנוֹת בִּקְרָר Ps. xlvi. 6.

(5) בְּנִיָּה Job xxxviii. 32.

(6) פַּח וְגוֹ' Hos. v. 1.

(7) עֲתָה וְגוֹ' Hos. v. 7.

(8) יֵרֵב Hos. v. 13.

(9) יִתֵּן וְגוֹ' Is. xli. 2.

14. Give another reading of the text of Jer. xxiii. 33, and state what can be urged in its favor.

Chaldee.

1. Translate (1) Dan. ii. 28, 46.
(2) “ iii. 5.
2. Analyze (1) יִרְכָּתָהּ Dan. ii. 32.
(2) לְהוֹן “ ii. 43.
(3) לְמִתָּא “ iii. 2.

3. State (1) the lexical and (2) the grammatical differences of Chaldee from Hebrew.

4. What suffixes do prepositions take ?

5. Decline the demonstrative pronoun.

6. In what part of the verb is the personal inflection most complicated ?

7. How does the personal inflection of the tenses differ from that of Hebrew ?

8. What is the signification of denominative verbs ?

9. What four kingdoms are represented by the image which Nebuchadnezzar saw in his dream ?

10. Give your reasons for your identification of the kingdom represented by the feet and toes.

N. T. Criticism.

1. Which of Paul's visits to Jerusalem, recorded in Acts, synchronises with that of Gal. 2 : 1 ?
2. Interpret Gal. 2 : 17-21.
3. Translate Phil. 2 : 5-11, and write full exegetical notes on vv. 7-10.
4. Explain Col. 1 : 24, and 2 : 11-12.
5. What were the errors of the false teacher against which Paul was warning the Colossians, and mention the sources from which they originated ?
6. Show that Eph. and Col. are independent compositions.
7. Indicate the three stages in the development of Episcopacy, and show that public teaching was not one of the functions of a deacon.
8. Discuss the authorship of Hebrews.
9. State the points (1) of contrast between Melchizedek's priesthood and the Levitical, (2) of the superiority of Christ's priesthood over the Levitical.

O. T. Exegesis.

1. Translate from the Septuagint version—

- (1) Gen. xi. 1-9.
- (2) Is. xxxviii. 10-14.
- (3) Jer. xxxvii. 6-13.

2. Parse (1) ἐρράγησαν Gen. vii. 11.
(2) τρησεί Is. xxxvi. 6.
(3) ῥίνα Is. xxxvii. 29.
(4) ἀπερρίψας Is. xxxviii. 17.

3. Refute the following objections to the credibility of the Pentateuch :

- (1) The Israelites had not lambs enough for the observance of the Passover in the wilderness.
- (2) The Israelites were not 430 years in Egypt as alleged Ex. xii. 40, 41, &c.
- (3) There was no such danger from wild beasts as stated Ex. xxiii. 29-30.
- (4) The number of the first-born must have been very much larger than is stated Num. iii. 43.

4. Explain (1) Jer. xxxi. 14.
(2) last clause of Jer. xxxi. 22.

5. Discuss (1) the difficulty connected with the date Is. xxxvi. 1.

- (2) Is. xxxvii. 6.
- (3) the miracle of the dial Is. xxxviii. 8.
- (4) Jer. xxxi. 30 as compared with Ex. xx. 5.
- (5) The reason given Gen. viii. 21 as compared with Gen. vi. 5-7.

Apologetics.

FIRST PAPER.

1. Indicate the chief causes of the present Unbelief.
2. Distinguish Apologetics, Apology, and Polemic.
3. In discussing the relation of the Natural and Supernatural, what place do you give man? State your reasons.
4. How do you establish the reality of the Supernatural?
5. In what respect has the Teleological argument been affected by the Theory of Evolution?
6. "No cause which operates within Nature in conformity with its general laws can be also the principle which originates Nature." Criticise this.
7. What bearing has the hypothesis of immanent finality upon the question of Theism?
8. "Human suffering is incompatible with the government of a benevolent Being." Discuss this.

Apologetics.

SECOND PAPER.

1. Criticise the views of Hamilton and Mansel as to the cognition of God, noting these points (1) that the infinite and absolute are merely negative notions, (2) that all negation is limitation, (3) that God, though not an object of knowledge, is an object of faith.

2. On what assumption is Materialism based? Criticise its explanation of the phenomena of (1) life, (2) consciousness.

3. State and examine the leading tenets of Positivism, and outline Comte's religious system.

4. Account for the revival of Pessimism and criticise the Doctrine as related (1) to Atheism, (2) to the existence of a God who is (*a*) evil or (*b*) weak.

5. Assuming that Revelation is possible, is Butler right in affirming that, *a priori*, we are incompetent to judge the matter which such Revelation should contain, or the evidence by which it should be substantiated?

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